SAMSUNG

COLOR TELEVISION RECEIVER

Chassis : SCT53A
Model : CS30A7HPTX/BWT

SERVICE Manual

COLOR TELEVISION RECEIVER

CONTENTS

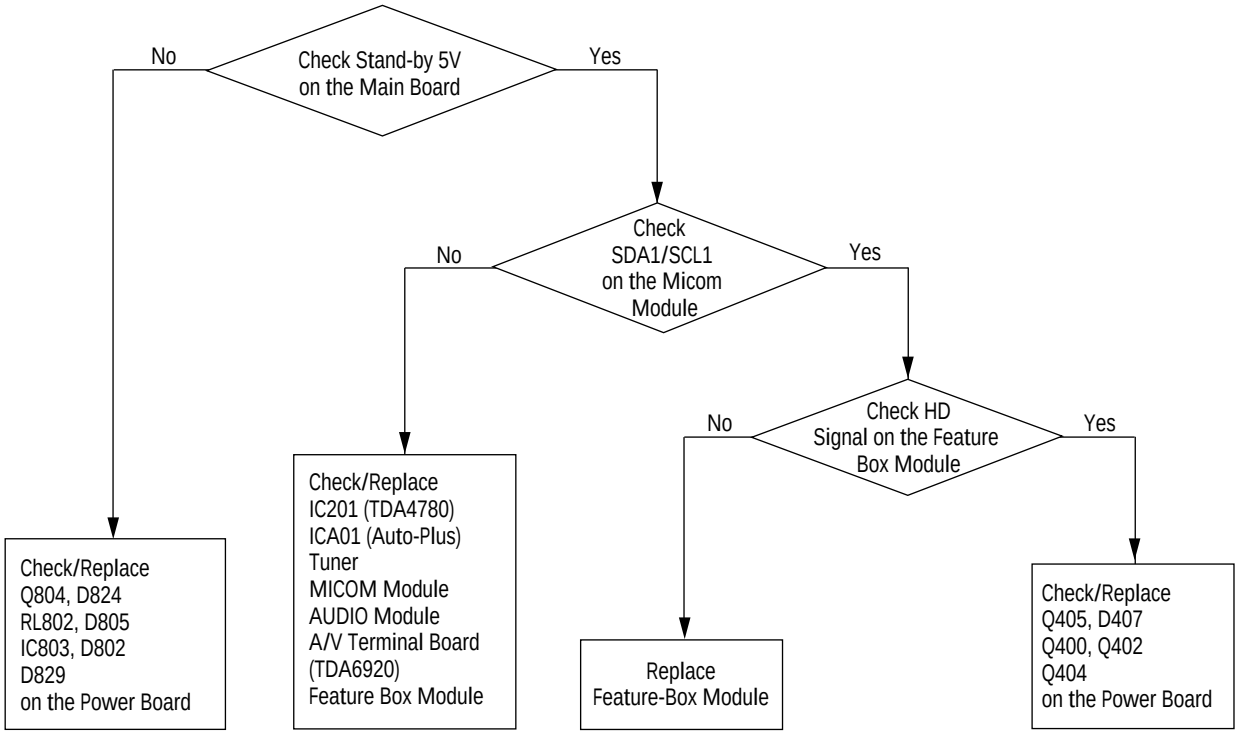
1. Precautions
2. Reference Information
3. Specifications
4. Disassembly and Reassembly
5. Alignment and Adjustments
6. Troubleshooting
7. Exploded View and Parts List
8. Electric Parts List
9. Wiring Diagram
10. Schematic Diagrams

ELECTRONICS

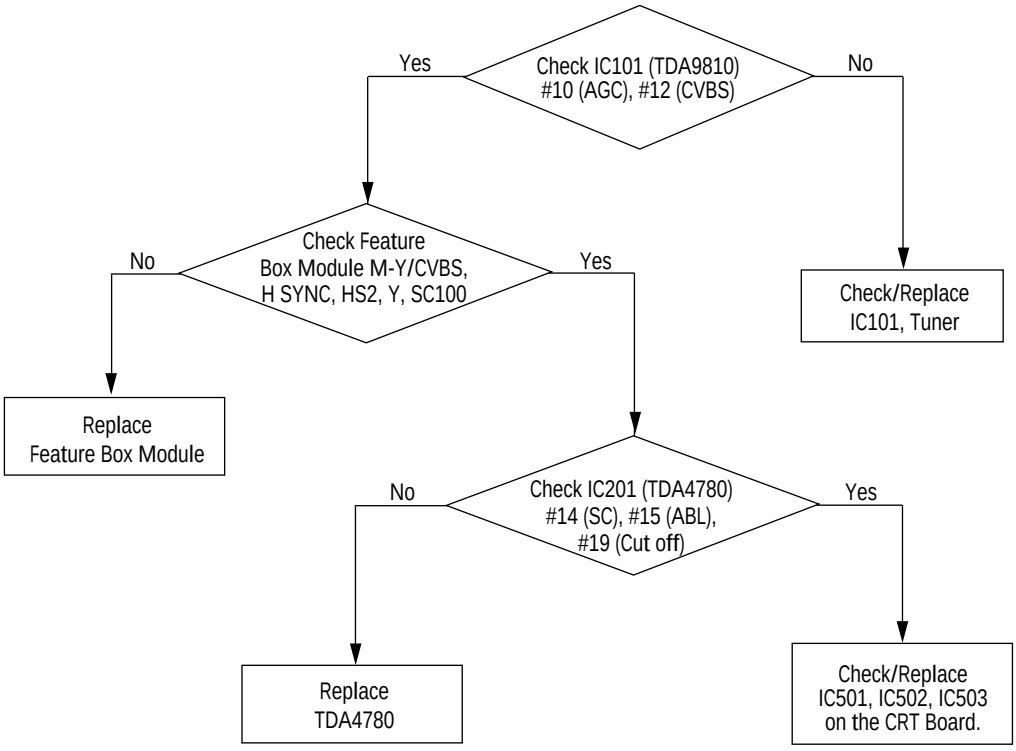
© Samsung Electronics Co., Ltd. **APR.1999**
Printed in Korea
3SCT53A-6705

6. Troubleshooting

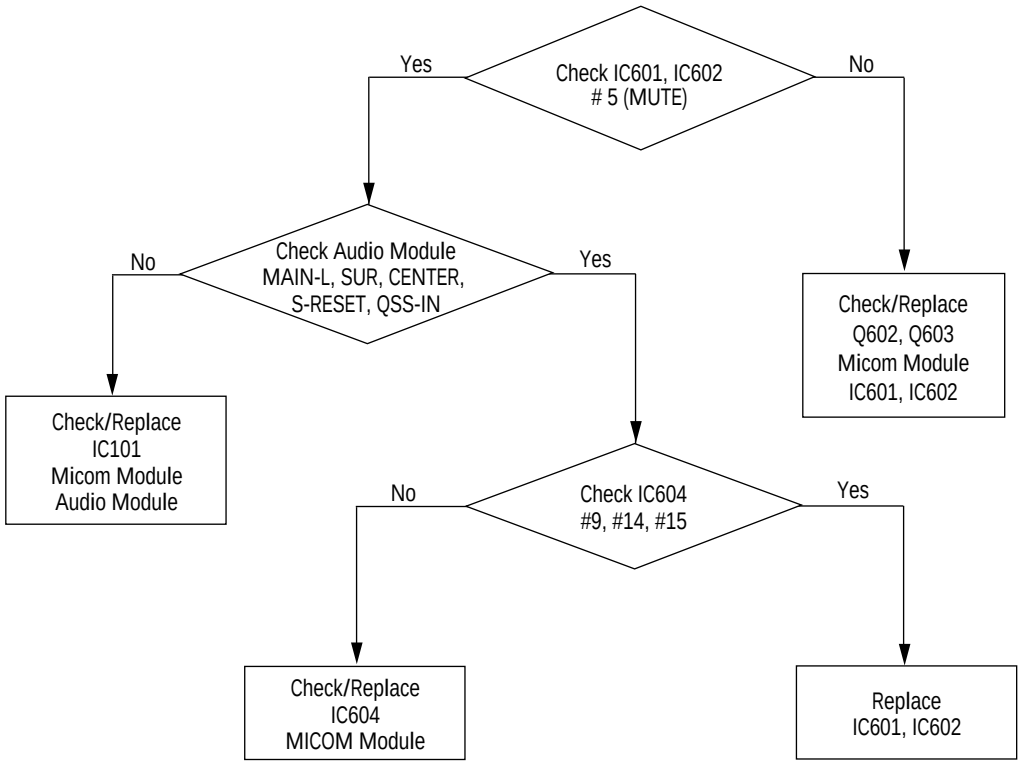
6-1 No Power



6-2 No Picture

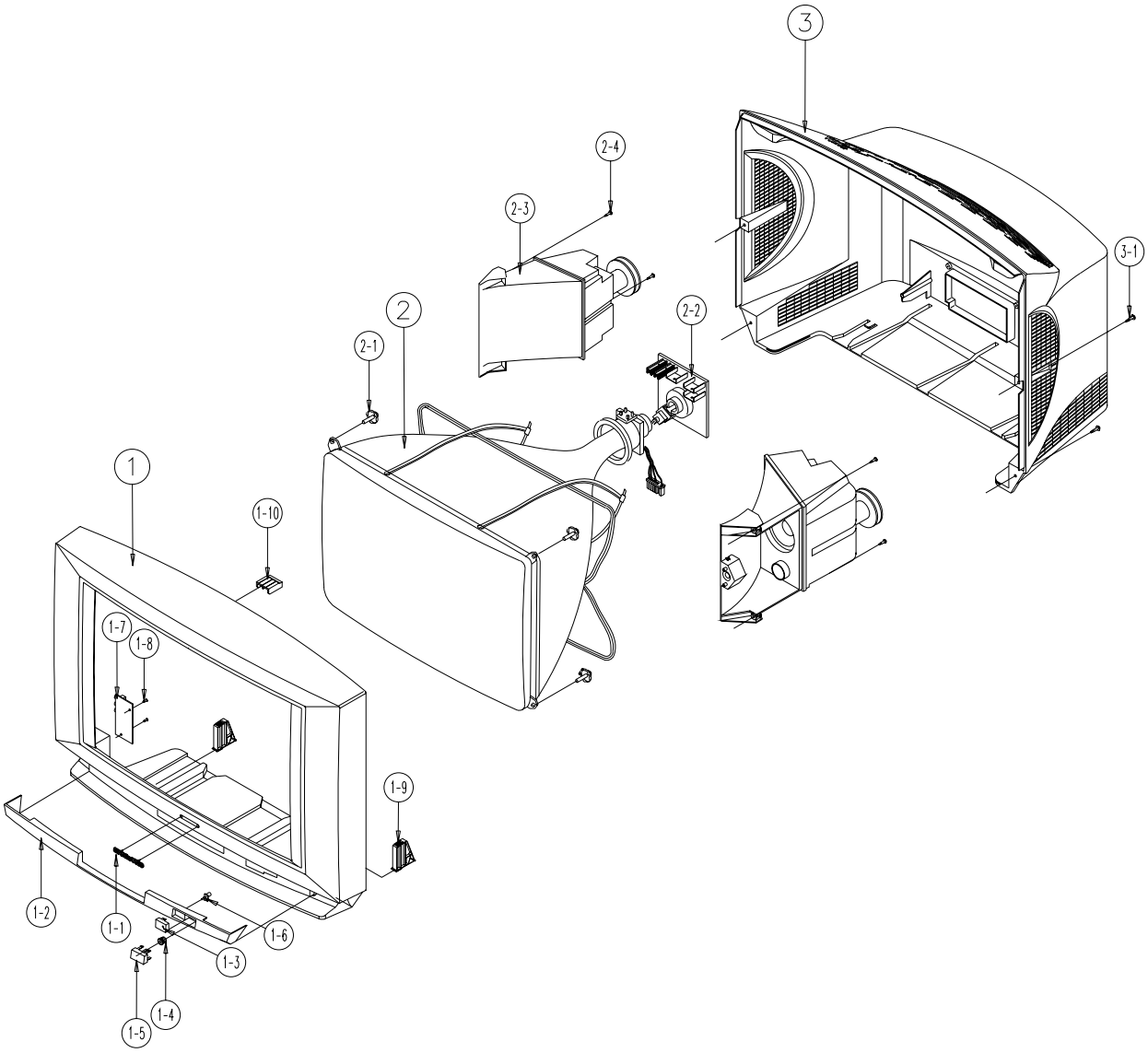


6-3 No Sound


Check IC601, IC602
5 (MUTE)
Yes
No
Check Audio Module
MAIN-L, SUR, CENTER,
S-RESET, QSS-IN
No
Yes
Check/Replace
Q602, Q603
Micom Module
IC601, IC602
Check/Replace
IC101
Micom Module
Audio Module
Check IC604
#9, #14, #15
No
Yes
Check/Replace
IC604
MICOM Module
Replace
IC601, IC602

7. Exploded View & Parts List

7-1 CS30A7HPTX/BWT



7-2.Parts List

No.	Code No.	Description & Specification	Q'ty	Remarks
1	AA91-10347Q	ASSY-CABINET,FRONT;-,767A,DG703 RUS NEW	1	
	AA64-31108L	CABINET-FRONT;-,767A,DG703 CIS NEW ,HIPS	1	
1-1	AA64-70117B	BADGE-BRAND;AL,SS,SILVER,L65,R2000,-,-	1	S.N.A
1-2	AA64-40471M	DECORATION-ASSY;-,767A,DG703 RUSIA SCT53	1	
	AA64-40457M	DECORATION-FRONT;-,767A,DG703 RUSIA SCT5	1	
1-3	AA64-40458A	WINDOW-REMOCON;-,307A,-,PC,VIOLET,-,-	1	
1-4	AA61-60005K	SPRING-CS;-,SUS304,0.6,OD12.2,H13,N4,-,-	1	S.N.A
1-5	AA64-10711B	KNOB-POWER;-,767A,MS,PC,-,VIOLET	1	
1-6	AA64-40459A	INDICATOR-LED;-,307A,-,ABS,LG02431,-,-	1	
1-7	AA95-90033G	ASSY-PCB,A/V SIDE;-,CS767AHTR,SCT53A,PAL	1	
1-8	6002-000514	SCREW-TAPPING(CF+AV);RH,+,2,M4,L15,ZPC(BLK),SWR	2	
1-9	AA61-40105A	SUPPORT-CRT;2956,HIPS,HB,NTR,-,-,-	2	S.N.A
1-10	AA61-40010A	BOSS-WING;-,HIPS,HB,NTR,-,-	1	S.N.A
2	AA03-10030U	CRT-COLOR;-,A70QAZ761X002(DB),+500mG,30"	1	
2-1	AA60-10050R	SCREW-ASSY(CF+CRT);WC,HH,+,M5,L31.5,SWRCH18A,ZPC	4	
2-2	AA95-20008L	ASSY-PCB,CRT;-,SCT53A,29,EUROPE,-	1	
2-3	AA91-60286A	ASSY-HOLDER,SPK;-,MPP,HB,IMPACT PORT,8oh	1	
2-4	AA60-10050A	SCREW-ASSY(DOME);WP,RH,+,M4,L25,SWRCH18A,-,ZPC	4	
3	AA64-31109E	CABINET-BACK;-,767A,-,HIPS,V2,BLK,-,-	1	
3-1	AA60-10050T	SCREW-TAPPING(CF+CB);RH,+,2S,M4,L20,ZPC(BLK),SW	7	

8. Electric Parts List

8-1.CS30A7HPTX/BWT

Loc	Part-No	Description & Specification	Remarks
		ASSY-PCB,MAIN(OPT)	
*	AA94-00769A	ASSY-PCB,MAIN(OPT);CS30A7HPTX/BWT,SCT53A	
C101	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C103	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C104	2401-000660	C-AL;2.2uF,20%,50V,GP,TP,5x11,5	
C105	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C107	2305-000289	C-FILM,MPEF;220nF,5%,63V,TP,-,5mm	
C108	2401-000667	C-AL;2.2uF,20%,50V,WT,TP,5x11,5	
C109	2201-000180	C-CERAMIC,DISC;10nF,10%,50V,Y5V,TP,6.5*3	
C110	2201-000180	C-CERAMIC,DISC;10nF,10%,50V,Y5V,TP,6.5*3	
C111	2201-000292	C-CERAMIC,DISC;1nF,10%,50V,Y5P,TP,5x3,5	
C112	2401-000947	C-AL;22uF,20%,35V,GP,TP,5x11,5	
C114	2202-000796	C-CERAMIC,MLC-AXIAL;1NF,10%,50V,Y5P,TP,3	
C115	2201-000180	C-CERAMIC,DISC;10nF,10%,50V,Y5V,TP,6.5*3	
C116	2401-000667	C-AL;2.2uF,20%,50V,WT,TP,5x11,5	
C117	2202-000127	C-CERAMIC,MLC-AXIAL;10nF,+80-20%,25V,Y5V	
C118	2401-000947	C-AL;22uF,20%,35V,GP,TP,5x11,5	
C119	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
C120	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
C121	2401-001571	C-AL;47uF,+20%-0%,50V,GP,TP,8x11.5,5	
C264	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C266	2201-000375	C-CERAMIC,DISC;220pF,5%,50V,RH,TP,9.5x3.	
C267	2201-000146	C-CERAMIC,DISC;100pF,5%,50V,SL,TP,5x3,5	
C269	2201-000980	C-CERAMIC,DISC;30pF,5%,50V,CH,TP,5.0x3.0	
C270	2201-000375	C-CERAMIC,DISC;220pF,5%,50V,RH,TP,9.5x3.	
C271	2301-000383	C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm	
C272	2301-000383	C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm	
C273	2301-000383	C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm	
C274	2305-000149	C-FILM,MPEF;100nF,5%,100V,TP,12x12.5x6.5	
C275	2301-000356	C-FILM,PEF;47nF,5%,50V,TP,7.5x4.0x6.5,5m	
C276	2301-000356	C-FILM,PEF;47nF,5%,50V,TP,7.5x4.0x6.5,5m	
C277	2301-000356	C-FILM,PEF;47nF,5%,50V,TP,7.5x4.0x6.5,5m	
C278	2301-000383	C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm	
C279	2301-000383	C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm	
C280	2301-000383	C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm	
C281	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
C282	2301-000192	C-FILM,PEF;1nF,5%,50V,TP,5.3x10mm,5mm	
C283	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
C284	2305-000355	C-FILM,MPEF;330nF,5%,63V,TP,-,5mm	
C285	2305-000196	C-FILM,MPEF;150nF,5%,63V,TP,-,5mm	
C286	2305-000196	C-FILM,MPEF;150nF,5%,63V,TP,-,5mm	
C287	2305-000196	C-FILM,MPEF;150nF,5%,63V,TP,-,5mm	
C288	2201-000653	C-CERAMIC,DISC;68pF,5%,50V,SL,TP,4.0X3.5	
C289	2201-000146	C-CERAMIC,DISC;100pF,5%,50V,SL,TP,5x3,5	
C290	2201-000376	C-CERAMIC,DISC;220pF,5%,50V,SL,TP,4x4,5	
C291	2201-000265	C-CERAMIC,DISC;180pF,5%,50V,RH,TP,8x3,5	
C292	2401-000962	C-AL;22uF,20%,50V,GP,TP,5x11,5	
C293	2401-000027	C-AL;4.7uF,20%,50V,GP,TP,5x11,5	
C296	2201-000558	C-CERAMIC,DISC;470pF,10%,50V,Y5P,TP,5x3,	
C297	2201-000146	C-CERAMIC,DISC;100pF,5%,50V,SL,TP,5x3,5	
C298	2301-000192	C-FILM,PEF;1nF,5%,50V,TP,5.3x10mm,5mm	
C299	2305-000355	C-FILM,MPEF;330nF,5%,63V,TP,-,5mm	
C401	2201-000144	C-CERAMIC,DISC;100pF,5%,50V,CH,TP,8x3,5	
C603	2401-000192	C-AL;1000uF,20%,50V,GP,TP,16x25,7.5	
C604	2305-000149	C-FILM,MPEF;100nF,5%,100V,TP,12x12.5x6.5	
C605	2401-000192	C-AL;1000uF,20%,50V,GP,TP,16x25,7.5	
C606	2305-000149	C-FILM,MPEF;100nF,5%,100V,TP,12x12.5x6.5	
C607	2401-000192	C-AL;1000uF,20%,50V,GP,TP,16x25,7.5	
C608	2305-000149	C-FILM,MPEF;100nF,5%,100V,TP,12x12.5x6.5	
C609	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
C610	2401-000318	C-AL;100uF,20%,25V,LZ,TP,8x11.5,5	
C611	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
C621	2301-000383	C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm	
C622	2301-000383	C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm	
C623	2305-000149	C-FILM,MPEF;100nF,5%,100V,TP,12x12.5x6.5	
C624	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
C629	2401-000962	C-AL;22uF,20%,50V,GP,TP,5x11,5	
C633	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
C634	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C635	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
C831	2401-002286	C-AL;470uF,20%,16V,WT,TP,10x12.5,5	
C832	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C833	2401-003034	C-AL;220uF,20%,16V,WT,TP,8x11.5,5	
C834	2401-000832	C-AL;220uF,20%,25V,GP,TP,8x11.5,5	
C835	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C836	2401-002286	C-AL;470uF,20%,16V,WT,TP,10x12.5,5	
C837	2401-002286	C-AL;470uF,20%,16V,WT,TP,10x12.5,5	
C838	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C839	2401-003034	C-AL;220uF,20%,16V,WT,TP,8x11.5,5	
C840	2401-003034	C-AL;220uF,20%,16V,WT,TP,8x11.5,5	
C841	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C851	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C852	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C862	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C863	2401-001397	C-AL;470uF,20%,25V,GP,TP,10x16,5	
C864	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C866	2401-002273	C-AL;220uF,20%,25V,HR,TP,10x20mm,5m	
C870	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
CA02	2305-000407	C-FILM,MPEF;470nF,5%,100V,TP,-,5mm	
CA03	2305-000149	C-FILM,MPEF;100nF,5%,100V,TP,12x12.5x6.5	
CA04	2401-000287	C-AL;100uF,20%,16V,WT,TP,6.3x11,5	
CA05	2401-000287	C-AL;100uF,20%,16V,WT,TP,6.3x11,5	
CA06	2305-000149	C-FILM,MPEF;100nF,5%,100V,TP,12x12.5x6.5	
CA07	2201-000423	C-CERAMIC,DISC;27pF,5%,50V,NPO,TP,5x3,2.	
CA08	2201-000423	C-CERAMIC,DISC;27pF,5%,50V,NPO,TP,5x3,2.	
CA09	2201-000375	C-CERAMIC,DISC;220pF,5%,50V,RH,TP,9.5x3.	
CA11	2201-000423	C-CERAMIC,DISC;27pF,5%,50V,NPO,TP,5x3,2.	
CA12	2305-000149	C-FILM,MPEF;100nF,5%,100V,TP,12x12.5x6.5	
CA13	2201-000234	C-CERAMIC,DISC;150pF,5%,50V,CH,TP,9.5x3,	
CA14	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
CABLE	AA39-30007E	IF-CABLE;-,T,150mm,1365#26	
CN07A	3711-002644	CONNECTOR-HEADER;BOX,5P,1R,2.5mm,STRAIGH	
CN08E	3711-002643	CONNECTOR-HEADER;BOX,4P,1R,2.5MM,STRAIGH	
CN09A	3711-002641	CONNECTOR-HEADER;BOX,10P,1R,2.54mm,STRAI	
CN15	3711-002643	CONNECTOR-HEADER;BOX,4P,1R,2.5MM,STRAIGH	
CN15	AA39-20105A	LEAD-CONNECTOR,ASSY;-,YSH025-04,SMP025-0	
CN501	3711-003641	CONNECTOR-HEADER;BOX,12P,1R,2.5mm,STRAIG	
CN704	3710-001208	CONNECTOR-SOCKET;32P,2R,2.54mm,STRAIGHT,	
CN705	3710-001208	CONNECTOR-SOCKET;32P,2R,2.54mm,STRAIGHT,	
CN803	3711-000654	CONNECTOR-HEADER;BOX,12P,1R,2.5mm,STRAIG	
CN804	3711-000654	CONNECTOR-HEADER;BOX,12P,1R,2.5mm,STRAIG	
CNFA(	3711-002641	CONNECTOR-HEADER;BOX,10P,1R,2.54mm,STRAI	
CP01	2201-000982	C-CERAMIC,DISC;10nF,+80-20%,50V,Y5V,TP,6	
CP02	2202-000127	C-CERAMIC,MLC-AXIAL;10nF,+80-20%,25V,Y5V	

Loc	Part-No	Description & Specification	Remarks
CP03	2202-000127	C-CERAMIC,MLC-AXIAL;10nF,+80-20%,25V,Y5V	
CP04	2401-002292	C-AL;47uF,20%,25V,WT,TP,8X11,5	
CP05	2401-000962	C-AL;22uF,20%,50V,GP,TP,5x11,5	
D101	0401-000005	DIODE-SWITCHING;1N4148,75V,200MA,DO-35,T	
D103	0401-001024	DIODE-SWITCHING;BAW75,25V,300MA,DO-35,TP	
D104	0401-001024	DIODE-SWITCHING;BAW75,25V,300MA,DO-35,TP	
D271	0401-000005	DIODE-SWITCHING;1N4148,75V,200MA,DO-35,T	
D272	0401-000005	DIODE-SWITCHING;1N4148,75V,200MA,DO-35,T	
D273	0403-000654	DIODE-ZENER;MTZ12B,12V,11.44-12.03V,500m	
D601	0401-000005	DIODE-SWITCHING;1N4148,75V,200MA,DO-35,T	
D602	0401-000005	DIODE-SWITCHING;1N4148,75V,200MA,DO-35,T	
D603	0401-000005	DIODE-SWITCHING;1N4148,75V,200MA,DO-35,T	
D801	0401-000005	DIODE-SWITCHING;1N4148,75V,200MA,DO-35,T	
DL201	AA29-90003(	FILTER-LC;-,D5121,LP,12MHz,TP	
DP01	0401-000005	DIODE-SWITCHING;1N4148,75V,200MA,DO-35,T	
DZ101	0403-000296	DIODE-ZENER;MTZ5.6B,5.6V,5.45-5.73V,500m	
DZ102	1203-000451	IC-VOLTAGE REGULATOR;33,TO-92,3P,-,PLAST	
DZ103	0403-000296	DIODE-ZENER;MTZ5.6B,5.6V,5.45-5.73V,500m	
DZ201	0403-000355	DIODE-ZENER;UZ5.1BSB,5.1V,4.97-5.18V,500	
DZ203	0403-000296	DIODE-ZENER;MTZ5.6B,5.6V,5.45-5.73V,500m	
DZ205	0403-000296	DIODE-ZENER;MTZ5.6B,5.6V,5.45-5.73V,500m	
DZA02	0403-000296	DIODE-ZENER;MTZ5.6B,5.6V,5.45-5.73V,500m	
FI101	2904-000302	FILTER-SAW AV;38.90MHz,-,ST,13.9dB,PAL-B	
FI102	2904-000301	FILTER-SAW AV;38.90MHz,SIP5K,ST,14.5dB,P	
FI103	2903-000181	FILTER-CERAMIC;TR,5.5MHz,-,-,-,TP,TPS5.5	
IC101	1204-001276	IC-SOUND PROCESSOR;TDA9810T,DIP,24P,400M	
IC201	1204-001108	IC-VIDEO PROCESS;TDA4780/V4,DIP,28P,-,PL	
IC601	1201-001026	IC-POWER AMP;7265,ZIP,11P,19.6MIL,DUAL,1	H/SINK
IC604	0801-000961	IC-CMOS LOGIC;4053,MUTIPLEXER,DIP,16P,30	
IC802	1203-000203	IC-POSI.ADJUST REG.;3050,TO-220,5P,-,PLA	H/SINK
IC803	1203-000203	IC-POSI.ADJUST REG.;3050,TO-220,5P,-,PLA	H/SINK
IC804	1203-000243	IC-POSI.FIXED REG.;7812A,TO-220,3P,-,PLA	H/SINK
IC805	1203-000006	IC-POSI.FIXED REG.;7808,TO-220,3P,-,PLAS	H/SINK
IC806	1203-000298	IC-POSI.FIXED REG.;7809,TO-220,3P,-,PLAS	
ICA01	AA13-10002I	IC-ASIC;-,AUTO-PLUS,DIP,20P,SYNC-DECTO	
ICA02	1202-000103	IC-VOLTAGE COMP.;393,DIP,8P,300MIL,DUAL,	
J075	2701-000208	INDUCTOR-AXIAL;6.8uH,10%,2.5x3.4mm	
J076	2701-000208	INDUCTOR-AXIAL;6.8uH,10%,2.5x3.4mm	
J184	2701-000168	INDUCTOR-AXIAL;3.3uH,5%,2.5x3.4mm	
J196	2701-000168	INDUCTOR-AXIAL;3.3uH,5%,2.5x3.4mm	
J207	2001-001096	R-CARBON(S);2.2OHM,5%,1/2W,AA,TP,2.4X6.4	
J210	2001-001048	R-CARBON(S);1.2OHM,5%,1/2W,AA,TP,2.4X6.4	
J261	2009-000021	R-METAL PLATE;0.33ohm,10%,5W,CL,TP,5x14x	
L101	AA26-10006(	TRANS-IF;-,7mG,VIF,-,7mm,8pF,77.8MHz,ST	
L104	2701-000101	INDUCTOR-AXIAL;1.2uH,10%,2.5x3.4mm	
L105	2701-000215	INDUCTOR-AXIAL;8.2uH,10%,2.5x3.4mm	
L106	2701-000115	INDUCTOR-AXIAL;10uH,10%,2.8x7mm	
L107	2701-000116	INDUCTOR-AXIAL;10uH,10%,4.2x9.8mm	
L108	2701-000115	INDUCTOR-AXIAL;10uH,10%,2.8x7mm	
L109	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L110	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L271	2701-000158	INDUCTOR-AXIAL;22uH,10%,2.5x3.4mm	
L272	2701-000208	INDUCTOR-AXIAL;6.8uH,10%,2.5x3.4mm	
L274	2701-000208	INDUCTOR-AXIAL;6.8uH,10%,2.5x3.4mm	
L275	2701-000149	INDUCTOR-AXIAL;2.7UH,10%,2.5X3.4MM	
L276	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L277	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L278	2701-000146	INDUCTOR-AXIAL;2.2uH,10%,2.5x3.4mm	
L279	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L280	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L814	AA27-20002(	COIL-DEGAUSSING;-,29",14ohm,70T,L3300,E	
LA01	2701-000115	INDUCTOR-AXIAL;10uH,10%,2.8x7mm	
LA02	2701-000157	INDUCTOR-AXIAL;220uH,5%,2.4x3.4mm	
LP01	2701-000146	INDUCTOR-AXIAL;2.2uH,10%,2.5x3.4mm	
LP02	2701-000146	INDUCTOR-AXIAL;2.2uH,10%,2.5x3.4mm	
LP03	2701-000146	INDUCTOR-AXIAL;2.2uH,10%,2.5x3.4mm	
LP04	2701-000208	INDUCTOR-AXIAL;6.8uH,10%,2.5x3.4mm	
LP05	2701-000208	INDUCTOR-AXIAL;6.8uH,10%,2.5x3.4mm	
LP06	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
LP07	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
Q101	0504-000137	TR-DIGITAL;KSR1202,PNP,300MW,10K/10K,TO-	
Q102	0504-000123	TR-DIGITAL;KSR1010,NPN,300mW,10K,TO-92,T	
Q104	0504-000123	TR-DIGITAL;KSR1010,NPN,300mW,10K,TO-92,T	
Q105	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
Q220	0501-000283	TR-SMALL SIGNAL;KSA539,PNP,400mW,TO-92,T	
Q221	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
Q223	0504-000123	TR-DIGITAL;KSR1010,NPN,300mW,10K,TO-92,T	
Q224	0501-000283	TR-SMALL SIGNAL;KSA539,PNP,400mW,TO-92,T	
Q225	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
Q226	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
Q602	0504-000123	TR-DIGITAL;KSR1010,NPN,300mW,10K,TO-92,T	
Q603	0504-000123	TR-DIGITAL;KSR1010,NPN,300mW,10K,TO-92,T	
QA01	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
QA03	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
QP01	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
R101	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R102	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R105	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R106	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R107	2001-000331	R-CARBON;12KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R109	2001-000490	R-CARBON;200OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R110	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R111	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R113	2001-001138	R-CARBON(S);390OHM,5%,1/2W,AA,TP,2.4X6.4	
R116	2001-000938	R-CARBON;68OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R121	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R122	2001-000857	R-CARBON;560OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R123	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R124	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R125	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R126	2001-000362	R-CARBON;150OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R249	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R250	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R251	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R252	2001-000577	R-CARBON;2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R253	2001-000331	R-CARBON;12KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R254	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R255	2001-000362	R-CARBON;150OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R258	2001-000302	R-CARBON;10OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R259	2001-000302	R-CARBON;10OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R260	2001-000869	R-CARBON;56OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R261	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R262	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R263	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R264	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R265	2001-001111	R-CARBON(S);240OHM,5%,1/2W,AA,TP,2.4X6.4	
R266	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R267	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R268	2001-000302	R-CARBON;10OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R269	2001-000302	R-CARBON;10OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R270	2001-000302	R-CARBON;10OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R271	2001-000628	R-CARBON;300OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R272	2001-000490	R-CARBON;200OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R273	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R274	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R275	2001-000362	R-CARBON;150OHM,5%,1/8W,AA,TP,1.8X3.2MM	

Loc	Part-No	Description & Specification	Remarks
R276	2001-000362	R-CARBON;150OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R277	2001-000362	R-CARBON;150OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R278	2001-000362	R-CARBON;150OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R279	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R280	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R281	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R282	2001-000857	R-CARBON;560OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R283	2001-000645	R-CARBON;330KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R284	2001-000660	R-CARBON;33KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R285	2001-000660	R-CARBON;33KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R286	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R287	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R288	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R289	2001-000009	R-CARBON;20KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R291	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R292	2001-000004	R-CARBON;200KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R293	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R294	2001-000864	R-CARBON;56KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R295	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R296	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R297	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R298	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R299	2001-000331	R-CARBON;12KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R601	2001-001055	R-CARBON(S);1.8KOHM,5%,1/2W,AA,TP,2.4X6.	
R602	2001-001055	R-CARBON(S);1.8KOHM,5%,1/2W,AA,TP,2.4X6.	
R603	2001-001146	R-CARBON(S);4.7OHM,5%,1/2W,AA,TP,2.4X6.4	
R604	2001-001055	R-CARBON(S);1.8KOHM,5%,1/2W,AA,TP,2.4X6.	
R605	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R606	2001-001146	R-CARBON(S);4.7OHM,5%,1/2W,AA,TP,2.4X6.4	
R607	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R608	2001-000628	R-CARBON;300OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R609	2001-000628	R-CARBON;300OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R621	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R622	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R623	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R624	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R626	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R630	2001-001055	R-CARBON(S);1.8KOHM,5%,1/2W,AA,TP,2.4X6.	
R631	2001-000109	R-CARBON(S);470OHM,5%,1/2W,AA,TP,2.4X6.4	
R801	2008-000272	R-FUSIBLE;33ohm,5%,1/2W,AA,TP,2.5x6.5mm	
R802	2006-000162	R-CEMENT;2.7ohm,5%,5W,CB,BK,10x13x25.4m	
RA02	2001-001112	R-CARBON(S);24KOHM,5%,1/2W,AA,TP,2.4X6.4	
RA03	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RA04	2001-000577	R-CARBON;2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
RA06	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
RA07	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2M	
RA08	2001-001026	R-CARBON;910OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RA09	2001-000384	R-CARBON;160OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RA11	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RA12	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RA13	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
RA15	2001-001086	R-CARBON(S);18KOHM,5%,1/2W,AA,TP,2.4X6.4	
RA16	2001-001062	R-CARBON(S);10MOHM,5%,1/2W,AA,TP,2.4X6.4	
RA17	2004-000218	R-METAL;10Kohm,1%,1/8W,AA,TP,1.8x3.2mm	
RA18	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
RA20	2004-000218	R-METAL;10Kohm,1%,1/8W,AA,TP,1.8x3.2mm	
RA21	2001-000761	R-CARBON;430OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RA22	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
RA24	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
RA25	2004-000218	R-METAL;10Kohm,1%,1/8W,AA,TP,1.8x3.2mm	
RP02	2001-000890	R-CARBON;6.8KOHM,5%,1/8W,AA,TP,1.8X3.2M	
RP03	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
RP10	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
RP11	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
RP12	2001-000857	R-CARBON;560OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RP13	2001-000008	R-CARBON;15KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
TU01	AA40-10006[illegible]	TUNER-F/S;TECC2949PG30A(S),PAL-B/G,TR,18	
TU02	AA40-10006[illegible]	TUNER-F/S;TECC2849PG29A(S),PAL-B/G,TR,18	
VR101	2103-000672	VR-SEMI;20Kohm,25%,1/5W,TOP	
VR102	2103-000676	VR-SEMI;50Kohm,25%,1/5W,TOP	
XA01	2801-000992	CRYSTAL-UNIT;8.192MHZ,30PPM,28-AAM,15PF,	
		ASSY-ACCESSORY	
USER/	AA68-11354[illegible]	MANUAL-USERS;SCT53A,RUSSIAN,TM49,B5,W/P1	
		ASSY-CRT	
CRT	AA03-10030[illegible]	CRT-COLOR;-,A70QAZ761X002(DB),+500mG,30"	
		ASSY-PCB,POWER	
	* AA95-10011[illegible]	ASSY-PCB,POWER;CS767AHT,SCT53A,29,230V,E	
C302	2305-000178	C-FILM,MPEF;10nF,5%,100V,TP,-,5mm	
C303	2305-000149	C-FILM,MPEF;100nF,5%,100V,TP,12x12.5x6.5	
C304	2305-000178	C-FILM,MPEF;10nF,5%,100V,TP,-,5mm	
C310	2305-000149	C-FILM,MPEF;100nF,5%,100V,TP,12x12.5x6.5	
C311	2305-000178	C-FILM,MPEF;10nF,5%,100V,TP,-,5mm	
C312	2305-000407	C-FILM,MPEF;470nF,5%,100V,TP,-,5mm	
C315	2301-000342	C-FILM,PEF;2.2nF,5%,50V,TP,7.4x3.9x13mm,	
C316	2202-000796	C-CERAMIC,MLC-AXIAL;1NF,10%,50V,Y5P,TP,3	
C317	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C318	2305-000149	C-FILM,MPEF;100nF,5%,100V,TP,12x12.5x6.5	
C320	2401-000365	C-AL;100uF,20%,50V,WT,TP,10x12.5mm,5	
C321	2401-000230	C-AL;100uF,20%,100V,GP,TP,12.5x20,5	
C324	2401-000962	C-AL;22uF,20%,50V,GP,TP,5x11,5	
C401	2301-000247	C-FILM,PEF;33nF,5%,50V,TP,8.1x4.5x13mm,5	
C402	2301-000213	C-FILM,PEF;220nF,5%,250V,TP,21.5x11,7.5	
C407	2303-000186	C-FILM,PPF;22nF,5%,400V,BK,19.5x13.5x8,1	
C408	2303-000118	C-FILM,PPF;10nF,5%,1.6KV,BK,31x19.5x13,2	
C409	2306-001017	C-FILM,MPPF;680NF,5%,400V,TP,26X14.5X24M	
C410	2202-000796	C-CERAMIC,MLC-AXIAL;1NF,10%,50V,Y5P,TP,3	
C411	2301-001143	C-FILM,PPF;56nF,5%,400V,TP,20x10x17,7.5	
C412	2301-001185	C-FILM,MPPF;620nF,5%,400V,TP,14.5x26x24,	
C413	2306-000324	C-FILM,MPPF;3.3nf,5%,1.6KV,TP,28.5x13.5x	
C414	2401-003114	C-AL;4.7uF,20%,250V,WT,TP,10x16,5	
C415	2306-000222	C-FILM,MPPF;47nF,5%,400V,BK,19x15.5x7,15	
C416	2401-001527	C-AL;47uF,20%,250V,HR,TP,13x25mm,5m	
C417	2401-003058	C-AL;100uF,20%,200V,WT,TP,16x25,7.5	
C418	2201-000132	C-CERAMIC,DISC;100pF,10%,500V,Y5P,TP,6x4	
C420	2201-000556	C-CERAMIC,DISC;470pF,10%,500V,Y5P,TP,7x4	
C421	2201-000556	C-CERAMIC,DISC;470pF,10%,500V,Y5P,TP,7x4	
C422	2201-000556	C-CERAMIC,DISC;470pF,10%,500V,Y5P,TP,7x4	
C423	2401-001655	C-AL;680uF,20%,25V,GP,TP,10x20,5	
C424	2401-002274	C-AL;220uF,20%,35V,WT,TP,10x12.5,5	
C425	2305-000470	C-FILM,MPEF;68nF,5%,100V,TP,-,5mm	
C426	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C455	2401-000360	C-AL;100uF,20%,50V,GP,TP,8x11.5,5	
C456	2301-000445	C-FILM,PEF;4.7nF,5%,50V,TP,5.5x7x3mm,5mm	
C457	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C458	2301-000175	C-FILM,PEF;15nF,5%,50V,TP,7.1x3.5x13mm,5	
C459	2401-002285	C-AL;470uF,20%,100V,GP,TP,16x25,7.5	
C801	2306-000321	C-FILM,MPPF;470nF,5%,275V,TP,-,22.5mm	
C802	2306-000321	C-FILM,MPPF;470nF,5%,275V,TP,-,22.5mm	
C803	2201-000315	C-CERAMIC,DISC;2.2nF,+80-20%,250VAC,Y5U,	

Loc	Part-No	Description & Specification	Remarks
C804	2401-002289	C-AL;470uF,20%,35V,WT,TP,10x20,5	
C805	2201-000292	C-CERAMIC,DISC;1nF,10%,50V,Y5P,TP,5x3,5	
C806	2306-000323	C-FILM,MPPF;2.2nF,5%,1.6KV,TP,28.5x15.5x	
C807	2306-000112	C-FILM,MPPF;100nF,20%,275V,BK,-,15mm	
C808	2201-000990	C-CERAMIC,DISC;4.7nF,20%,400V,Y5U,BK,7x1	
C808A	2201-000990	C-CERAMIC,DISC;4.7nF,20%,400V,Y5U,BK,7x1	
C809	2401-002292	C-AL;47uF,20%,25V,WT,TP,8X11,5	
C810	2401-000611	C-AL;1uF,20%,50V,WT,TP,5x11,5	
C811	2201-000315	C-CERAMIC,DISC;2.2nF,+80-20%,250VAC,Y5U,	
C812	2201-000315	C-CERAMIC,DISC;2.2nF,+80-20%,250VAC,Y5U,	
C813	2401-003066	C-AL;10uF,20%,450V,GP,TP,13x20mm,5m	
C814	2401-003031	C-AL;470uF,20%,450V,GP,BK,35x45mm,1	
C816	2401-002262	C-AL;10uF,20%,160V,WT,TP,10x20,5	
C817	2401-002459	C-AL;220uF,20%,25V,LZ,TP,10x16,5	
C818	2201-000551	C-CERAMIC,DISC;470pF,10%,1KV,Y5P,TP,8x5,	
C819	2401-002287	C-AL;470uF,20%,200V,WT,BK,25x40,10	
C820	2401-003024	C-AL;220uF,20%,200V,WT,TP,22x35,10	
C821	2201-000551	C-CERAMIC,DISC;470pF,10%,1KV,Y5P,TP,8x5,	
C822	2401-000737	C-AL;2200uF,20%,50V,GP,TP,18x35.5,7.5	
C824	2201-000556	C-CERAMIC,DISC;470pF,10%,500V,Y5P,TP,7x4	
C825	2401-000722	C-AL;2200uF,20%,25V,WT,TP,16x25,7.5	
C826	2401-000722	C-AL;2200uF,20%,25V,WT,TP,16x25,7.5	
C828	2401-000722	C-AL;2200uF,20%,25V,WT,TP,16x25,7.5	
C829	2401-001397	C-AL;470uF,20%,25V,GP,TP,10x16,5	
C833	2305-000412	C-FILM,MPEF;470nF,5%,63V,TP,-,5mm	
C834	2201-000315	C-CERAMIC,DISC;2.2nF,+80-20%,250VAC,Y5U,	
C835	2201-000556	C-CERAMIC,DISC;470pF,10%,500V,Y5P,TP,7x4	
C836	2201-000551	C-CERAMIC,DISC;470pF,10%,1KV,Y5P,TP,8x5,	
C838	2401-001363	C-AL;470uF,20%,16V,GP,TP,10x12.5,5	
C839	2201-000551	C-CERAMIC,DISC;470pF,10%,1KV,Y5P,TP,8x5,	
C840	2401-001513	C-AL;47uF,20%,16V,WT,TP,5x11,5	
C842	2401-002211	C-AL;1000uF,20%,35V,LZ,TP,13x25mm,5	
C843	2401-002289	C-AL;470uF,20%,35V,WT,TP,10x20,5	
C844	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
CLAMI	AA65-30109A	CLAMP-FBT;NYLON-66,V2,BLK,-,-,-	
CN801	3711-002641	CONNECTOR-HEADER;BOX,10P,1R,2.54mm,STRAI	
CN803	3710-001141	CONNECTOR-SOCKET;12P,1R,2.5mm,STRAIGHT,S	
CN804	3710-001141	CONNECTOR-SOCKET;12P,1R,2.5mm,STRAIGHT,S	
D301	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
D302	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
D303	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
D304	1405-001030	VARISTOR;120V,2500A,14x8.5mm,TP	
D401	0401-000005	DIODE-SWITCHING;1N4148,75V,200MA,DO-35,T	
D402	0401-000005	DIODE-SWITCHING;1N4148,75V,200MA,DO-35,T	
D403	0401-001024	DIODE-SWITCHING;BAW75,25V,300MA,DO-35,TP	
D404	0402-000493	DIODE-RECTIFIER;1R5GU41,400V,1.5A,DO-15L	
D405	0402-000493	DIODE-RECTIFIER;1R5GU41,400V,1.5A,DO-15L	
D407	0402-001012	DIODE-RECTIFIER;FMP-3FU,1500V,5A,TO-3PF	H/SINK
D408	0401-000005	DIODE-SWITCHING;1N4148,75V,200MA,DO-35,T	
D410	0402-000537	DIODE-RECTIFIER;RH1A,600V,0.6A,DO-204AC	
D411	0402-001105	DIODE-RECTIFIER;ERB43-04SV1,400V,1.0A,-,	
D414	0402-000534	DIODE-RECTIFIER;RG10V,400V,1.2A,DO-201,T	
D415	0402-000540	DIODE-RECTIFIER;RU20A,600V,1.5A,-,TP	
D802	0401-000005	DIODE-SWITCHING;1N4148,75V,200MA,DO-35,T	
D803	0406-001007	DIODE-TVS;P6KE180A,171/180/189V,600W,CAS	
D804	0402-000243	DIODE-RECTIFIER;RC2-V1,2000V,0.2A,DO-201	
D805	0402-000103	DIODE-BRIDGE;D2SBA60,600V,1.5A,SIP-4,ST	
D806	0402-000549	DIODE-BRIDGE;RBV606,600V,6A,-,BK	H/SINK
D807	0402-000213	DIODE-RECTIFIER;ERB12-06,600V,1.0A,DO-41	
D808	0402-000493	DIODE-RECTIFIER;1R5GU41,400V,1.5A,DO-15L	
D810	0402-001105	DIODE-RECTIFIER;ERB43-04SV1,400V,1.0A,-,	
D811	0403-000704	DIODE-ZENER;TZP7.5B,7.5V,7.5-8.4V,1W,DO-	
D812	0402-001105	DIODE-RECTIFIER;ERB43-04SV1,400V,1.0A,-,	

Loc	Part-No	Description & Specification	Remarks
D813	0402-001105	DIODE-RECTIFIER;ERB43-04SV1,400V,1.0A,-,	
D814	1405-000187	VARISTOR;750V,1250A,12.5x7mm,TP	
D814A	1405-000187	VARISTOR;750V,1250A,12.5x7mm,TP	
D816	0402-001105	DIODE-RECTIFIER;ERB43-04SV1,400V,1.0A,-,	
D817	0402-000231	DIODE-RECTIFIER;FMG-G26S,600V,4A,TO-220	H/SINK
D818	0402-000233	DIODE-RECTIFIER;FML-G12S,200V,5A,-,-	H/SINK
D819	0402-000493	DIODE-RECTIFIER;1R5GU41,400V,1.5A,DO-15L	
D820	1405-001030	VARISTOR;120V,2500A,14x8.5mm,TP	
D821	0402-001105	DIODE-RECTIFIER;ERB43-04SV1,400V,1.0A,-,	
D823	0402-000233	DIODE-RECTIFIER;FML-G12S,200V,5A,-,-	H/SINK
D824	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
D825	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
D826	0402-001105	DIODE-RECTIFIER;ERB43-04SV1,400V,1.0A,-,	
D829	0402-000534	DIODE-RECTIFIER;RG10V,400V,1.2A,DO-201,T	
D830	0402-000493	DIODE-RECTIFIER;1R5GU41,400V,1.5A,DO-15L	
DZ301	0403-000660	DIODE-ZENER;MTZ22A,22V,20.15-21.2V,500mW	
DZ302	0403-000700	DIODE-ZENER;TZP33A,33V,31-35V,1W,DO-41,T	
DZ304	0403-000656	DIODE-ZENER;MTZ15C,15V,14.35-15.09V,500m	
DZ305	0403-001039	DIODE-ZENER;MA2560,56V,52-60V,1W,DO-41,T	
DZ401	0403-000300	DIODE-ZENER;MTZ8.2B,8.2V,7.78-8.19V,500m	
DZ801	0403-000662	DIODE-ZENER;MTZ3.0B,3.0V,3.01-3.22V,500m	
DZ802	0403-000656	DIODE-ZENER;MTZ15C,15V,14.35-15.09V,500m	
DZ822	0403-000658	DIODE-ZENER;MTZ18A,18V,16.22-17.06V,500m	
F805	3601-001086	FUSE-FERRULE;125V,5A,FA,GLASS,2.4x7.5mm	
IC301	1204-000021	IC-VERTICAL PROCESSO;TDA8351,SIP,9P,960	H/SINK
IC403	1204-001178	IC-VIDEO SYSTEM;TDA8145,DIP,8P,300MIL,PL	
IC801	AA13-20002F	IC-HYBRID;-,STR-S6709 LF953,SIP,9P,SMPS	H/SINK
IC803	1203-000640	IC-PWM CONTROLLER;210,DIP,8P,245MIL,PLAS	
IC804	1203-001217	IC-POSI.ADJUST REG.;431,TO-92,3P,4.58MIL	
IC805	0604-001038	PHOTO-COUPLER;TR,130-260%,200mW,DIP-4,ST	
IC806	1203-000274	IC-POSI.FIXED REG.;7805,TO-220,3P,-,PLAS	
L301	AA27-40003(	COIL-HORIZ,WIDTH;-,90/260UH,SB-5SOS6*20,	
L302	3301-000287	CORE-FERRITE BEAD;AA,3.5x1x6mm,1500,2400	
L303	3301-000287	CORE-FERRITE BEAD;AA,3.5x1x6mm,1500,2400	
L304	2701-001040	INDUCTOR-AXIAL;10uH,10%,14x4.5mm	
L401	AA27-10002\	COIL-CHOKE;-,6.3MH,K,-,500MA,-,NY632K(50	
L404	AA27-30003F	COIL-LINERITY;-,7.6uH,DR15x18,USTC 0.12x	
L405	AA27-40001S	COIL-HORIZ.WIDTH;-,110UH,SB-5S8202.6,PI0	
L407	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
L408	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
L409	3301-000287	CORE-FERRITE BEAD;AA,3.5x1x6mm,1500,2400	
L801	AA29-30002F	FILTER-LINE NOISE;-,6mH,2.45A,-,-	
L802	AA29-30002F	FILTER-LINE NOISE;-,6mH,2.45A,-,-	
L803	3301-000287	CORE-FERRITE BEAD;AA,3.5x1x6mm,1500,2400	
L805	3301-000287	CORE-FERRITE BEAD;AA,3.5x1x6mm,1500,2400	
L806	3301-000287	CORE-FERRITE BEAD;AA,3.5x1x6mm,1500,2400	
L810	AA27-10002I	COIL-CHOKE;-,24UH,K,-,2A,-,24UH-K,10X10M	
L812	AA27-10002I	COIL-CHOKE;-,24UH,K,-,2A,-,24UH-K,10X10M	
L813	3301-000287	CORE-FERRITE BEAD;AA,3.5x1x6mm,1500,2400	
L815	3301-000287	CORE-FERRITE BEAD;AA,3.5x1x6mm,1500,2400	
L816	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
L817	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
L818	AA27-10002I	COIL-CHOKE;-,24UH,K,-,2A,-,24UH-K,10X10M	
L820	3301-000287	CORE-FERRITE BEAD;AA,3.5x1x6mm,1500,2400	
L821	AA27-10002I	COIL-CHOKE;-,24UH,K,-,2A,-,24UH-K,10X10M	
Q400	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
Q402	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
Q404	0505-001116	FET-SILICON;BUZ73A,N,200V,22A,0.6ohm,40W	
Q405	0502-001062	TR-POWER;2SC5331,NPN,180W,TO-3P,ST,10-	H/SINK
Q801	0503-000153	TR-DARLINGTON;TIP102,NPN,2W,TO-220,TP,10	
Q802	0502-001074	TR-POWER;BDX53B,NPN,60W,TO-220,ST,750	H/SINK
Q803	0501-000369	TR-SMALL SIGNAL;KSC2331-Y,NPN,1W,TO-92L,	
Q804	0501-000369	TR-SMALL SIGNAL;KSC2331-Y,NPN,1W,TO-92L,	

Loc	Part-No	Description & Specification	Remarks
Q805	AA13-20004F	IC-HYBRID;-,SE135N-LF12,TO220-LF12,3,ERR	
R301	2001-001100	R-CARBON(S);2.7OHM,5%,1/2W,AA,TP,2.4X6.4	
R302	2001-001053	R-CARBON(S);1.5OHM,5%,1/2W,AA,TP,2.4X6.4	
R303	2001-001114	R-CARBON(S);270OHM,5%,1/2W,AA,TP,2.4X6.4	
R304	2003-001034	R-METAL OXIDE(S);270HM,5%,1W,AF,TP,2.5X	
R305	2001-001106	R-CARBON(S);220KOHM,5%,1/2W,AA,TP,2.4X6.	
R306	2003-000590	R-METAL OXIDE(S);22ohm,5%,2W,AA,TP,4x12m	
R307	2003-000590	R-METAL OXIDE(S);22ohm,5%,2W,AA,TP,4x12m	
R308	2003-000455	R-METAL OXIDE(S);100ohm,5%,2W,AA,TP,4x12	
R309	1404-000187	THERMISTOR-NTC;4.7ohm,15%,2800K,27.2mW/C	
R310	2003-000590	R-METAL OXIDE(S);22ohm,5%,2W,AA,TP,4x12m	
R311	2003-000590	R-METAL OXIDE(S);22ohm,5%,2W,AA,TP,4x12m	
R312	2001-000020	R-CARBON(S);22OHM,5%,1/2W,AA,TP,2.4X6.4M	
R321	2001-001053	R-CARBON(S);1.5OHM,5%,1/2W,AA,TP,2.4X6.4	
R322	2001-001131	R-CARBON(S);33KOHM,5%,1/2W,AA,TP,2.4X6.4	
R323	2001-001131	R-CARBON(S);33KOHM,5%,1/2W,AA,TP,2.4X6.4	
R324	2001-001131	R-CARBON(S);33KOHM,5%,1/2W,AA,TP,2.4X6.4	
R325	2001-001093	R-CARBON(S);2.2KOHM,5%,1/2W,AA,TP,2.4X6.	
R326	2001-001139	R-CARBON(S);39KOHM,5%,1/2W,AA,TP,2.4X6.4	
R327	2001-000016	R-CARBON(S);1OHM,5%,1/2W,AA,TP,2.4X6.4MM	
R401	2006-000323	R-CEMENT;56ohm,5%,5W,CB,TP,9.5x13.5x26.	
R402	2001-001168	R-CARBON(S);6.8KOHM,5%,1/2W,AA,TP,2.4X6.	
R403	2001-001108	R-CARBON(S);22KOHM,5%,1/2W,AA,TP,2.4X6.4	
R404	2001-001045	R-CARBON(S);1.2KOHM,5%,1/2W,AA,TP,2.4X6.	
R405	2003-000578	R-METAL OXIDE(S);220ohm,5%,2W,AA,TP,4x12	
R406	2001-001122	R-CARBON(S);3.9KOHM,5%,1/2W,AA,TP,2.4X6.	
R407	2003-000578	R-METAL OXIDE(S);220ohm,5%,2W,AA,TP,4x12	
R408	2006-000317	R-CEMENT;33ohm,5%,5W,CH,BK,9.5x27x9.5mm	
R409	2003-000538	R-METAL OXIDE(S);1Kohm,5%,2W,AA,TP,4x12m	
R410	2001-001088	R-CARBON(S);1KOHM,5%,1/2W,AA,TP,2.4X6.4M	
R411	2001-000066	R-CARBON(S);10KOHM,5%,1/2W,AA,TP,2.4X6.4	
R412	2004-001399	R-METAL(S);5.1Kohm,1%,1/2W,AA,TP,2.4x6.4	
R413	2001-001163	R-CARBON(S);560OHM,5%,1/2W,AA,TP,2.4X6.4	
R414	2001-001142	R-CARBON(S);3KOHM,5%,1/2W,AA,TP,2.4X6.4M	
R415	2004-001390	R-METAL(S);1Kohm,2%,1/2W,AA,TP,2.4x6.4mm	
R416	2001-000066	R-CARBON(S);10KOHM,5%,1/2W,AA,TP,2.4X6.4	
R417	2001-001108	R-CARBON(S);22KOHM,5%,1/2W,AA,TP,2.4X6.4	
R418	2001-001112	R-CARBON(S);24KOHM,5%,1/2W,AA,TP,2.4X6.4	
R420	2001-001155	R-CARBON(S);5.6KOHM,5%,1/2W,AA,TP,2.4X6.	
R421	2001-001106	R-CARBON(S);220KOHM,5%,1/2W,AA,TP,2.4X6.	
R422	2001-001108	R-CARBON(S);22KOHM,5%,1/2W,AA,TP,2.4X6.4	
R423	2008-000189	R-FUSIBLE;0.47ohm,10%,2W,AA,TP,6x15.5mm	
R424	2008-001005	R-FUSIBLE;0.47ohm,10%,1W,AA,TP,4.7x11.7m	
R425	2008-001005	R-FUSIBLE;0.47ohm,10%,1W,AA,TP,4.7x11.7m	
R426	2003-000538	R-METAL OXIDE(S);1Kohm,5%,2W,AA,TP,4x12m	
R427	2003-000462	R-METAL OXIDE(S);10Kohm,5%,2W,AA,TP,4x12	
R429	2004-000698	R-METAL;3.3Kohm,1%,1/4W,AA,TP,2.4x6.4m	
R430	2004-002016	R-METAL(S);15Kohm,1%,1/2W,AA,TP,2.5x6.5m	
R431	2004-002016	R-METAL(S);15Kohm,1%,1/2W,AA,TP,2.5x6.5m	
R432	2008-000179	R-FUSIBLE(S);10ohm,5%,1/2W,AA,TP,2.5x6.5	
R433	2009-000027	R-METAL PLATE;0.39ohm,10%,5W,CL,TP,5x14,	
R434	2004-001403	R-METAL(S);7.5Kohm,1%,1/2W,AA,TP,2.4x6.4	
R457	2003-000592	R-METAL OXIDE(S);22ohm,5%,2W,AF,TP,4x12m	
R801	1404-000178	THERMISTOR-PTC;7ohm,20%,-,290V,25A,-,BK	
R802	2002-001012	R-COMPOSITION;8.2Mohm,10%,1/2W,AA,TP,3.7	
R803	1404-001045	THERMISTOR-NTC;4.7OHM,15%,2900K,35.0MW,T	
R804	2001-001116	R-CARBON(S);27OHM,5%,1/2W,AA,TP,2.4X6.4M	
R805	2003-000462	R-METAL OXIDE(S);10Kohm,5%,2W,AA,TP,4x12	
R806	2003-000462	R-METAL OXIDE(S);10Kohm,5%,2W,AA,TP,4x12	
R807	2003-000462	R-METAL OXIDE(S);10Kohm,5%,2W,AA,TP,4x12	
R808	2001-001129	R-CARBON(S);330KOHM,5%,1/2W,AA,TP,2.4X6.	
R809	2001-001129	R-CARBON(S);330KOHM,5%,1/2W,AA,TP,2.4X6.	
R810	2009-001001	R-METAL PLATE;0.12OHM,10%,5W,CL,TP,5X14X	
R811	2001-001117	R-CARBON(S);2KOHM,5%,1/2W,AA,TP,2.4X6.4M	
R812	2001-001045	R-CARBON(S);1.2KOHM,5%,1/2W,AA,TP,2.4X6.	
R813	2001-000109	R-CARBON(S);470OHM,5%,1/2W,AA,TP,2.4X6.4	
R814	2006-001008	R-CEMENT;8.2OHM,5%,5W,CJ,TP,10.5X14X27M	
R815	2001-001117	R-CARBON(S);2KOHM,5%,1/2W,AA,TP,2.4X6.4M	
R816	2001-001117	R-CARBON(S);2KOHM,5%,1/2W,AA,TP,2.4X6.4M	
R817	2003-001090	R-METAL OXIDE(S);10Kohm,5%,2W,AF,TP,4x12	
R820	2003-001093	R-METAL OXIDE(S);12Kohm,5%,2W,AF,TP,3.9x	
R821	2001-001088	R-CARBON(S);1KOHM,5%,1/2W,AA,TP,2.4X6.4M	
R822	2008-000189	R-FUSIBLE;0.47ohm,10%,2W,AA,TP,6x15.5mm	
R826	2001-000052	R-CARBON(S);3.3KOHM,5%,1/2W,AA,TP,2.4X6.	
R827	2001-001054	R-CARBON(S);1.6KOHM,5%,1/2W,AA,TP,2.4X6.	
R828	2004-001390	R-METAL(S);1Kohm,2%,1/2W,AA,TP,2.4x6.4mm	
R829	2008-000179	R-FUSIBLE(S);10ohm,5%,1/2W,AA,TP,2.5x6.5	
R830	2001-001087	R-CARBON(S);18OHM,5%,1/2W,AA,TP,2.4X6.4M	
R831	2001-001165	R-CARBON(S);56OHM,5%,1/2W,AA,TP,2.4X6.4M	
R832	2001-001122	R-CARBON(S);3.9KOHM,5%,1/2W,AA,TP,2.4X6.	
R833	2001-001078	R-CARBON(S);15KOHM,5%,1/2W,AA,TP,2.4X6.4	
R834	2001-000028	R-CARBON(S);100OHM,5%,1/2W,AA,TP,2.4X6.4	
R840	2001-001097	R-CARBON(S);2.4KOHM,5%,1/2W,AA,TP,2.4X6.	
R841	2001-001088	R-CARBON(S);1KOHM,5%,1/2W,AA,TP,2.4X6.4M	
R842	2001-001106	R-CARBON(S);220KOHM,5%,1/2W,AA,TP,2.4X6.	
R844	2001-000085	R-CARBON(S);100KOHM,5%,1/2W,AA,TP,2.4X6.	
R845	2001-001112	R-CARBON(S);24KOHM,5%,1/2W,AA,TP,2.4X6.4	
RL801	3501-001040	RELAY-POWER;12VDC,500mW,10A,1FormA,15mS,	
RL802	3501-001053	RELAY-POWER;5VDC,530MW,10A,1FORMA,15MS,5	
T301	AA26-70001T	TRANS-PLUSE;-,1.1mH,105uH,-,17x26,BK	
T402	AA26-90002(	TRANS-DUMMY;-,3.5mH,EER2834,130/1200,ST	
T403	AA26-50001S	TRANS-HORIZ DRIVE;-,6.0mH,44uH,1.5uH,EI2	
T444	AA26-30004S	TRANS-FLYBACK;-,FCZ-29A007(S),29",135V	
T801	AA26-20006)	TRANS-SWITCHING;-,160-260V,130/30/24/8/1	
T802	AA26-20004M	TRANS-SWITCHING;-,90~260V,KS,EE2118,7.92	
		ASSY-PCB,CRT	
*	AA95-20008L	ASSY-PCB,CRT;-,SCT53A,29,EUROPE,-	
C501	2201-002031	C-CERAMIC,DISC;5pF,0.25pF,50V,NPO,TP,5x3	
C502	2201-000436	C-CERAMIC,DISC;2pF,0.3pF,50V,SL,TP,5x3.5	
C504	2301-000016	C-FILM,PEF;22nF,5%,100V,TP,7.2x4.5x9.0mm	
C505	2301-000016	C-FILM,PEF;22nF,5%,100V,TP,7.2x4.5x9.0mm	
C506	2301-000016	C-FILM,PEF;22nF,5%,100V,TP,7.2x4.5x9.0mm	
C507	2301-000016	C-FILM,PEF;22nF,5%,100V,TP,7.2x4.5x9.0mm	
C509	2301-000016	C-FILM,PEF;22nF,5%,100V,TP,7.2x4.5x9.0mm	
C510	2305-000308	C-FILM,MPEF;22nF,5%,250V,-,14.5x6.0x9.5m	
C511	2305-000308	C-FILM,MPEF;22nF,5%,250V,-,14.5x6.0x9.5m	
C512	2305-000308	C-FILM,MPEF;22nF,5%,250V,-,14.5x6.0x9.5m	
C513	2201-000599	C-CERAMIC,DISC;560pF,10%,500V,Y5P,TP,7x4	
C514	2201-000599	C-CERAMIC,DISC;560pF,10%,500V,Y5P,TP,7x4	
C515	2201-000599	C-CERAMIC,DISC;560pF,10%,500V,Y5P,TP,7x4	
C520	2401-000689	C-AL;2200uF,20%,16V,GP,TP,13x25,5	
C522	2201-000969	C-CERAMIC,DISC;10nF,+80-20%,3KV,Y5V,TP,-	
C532	2401-001527	C-AL;47uF,20%,250V,HR,TP,13x25mm,5m	
C533	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C534	2401-000365	C-AL;100uF,20%,50V,WT,TP,10x12.5mm,5	
C535	2401-000914	C-AL;22uF,20%,16V,GP,TP,5x11,5	
CF01	2201-000234	C-CERAMIC,DISC;150pF,5%,50V,CH,TP,9.5x3,	
CF02	2201-000376	C-CERAMIC,DISC;220pF,5%,50V,SL,TP,4x4,5	
CF03	2201-000653	C-CERAMIC,DISC;68pF,5%,50V,SL,TP,4.0X3.5	
CF04	2201-000516	C-CERAMIC,DISC;4.7nF,+100-0%,500V,Y5U,TP	
CF05	2301-000261	C-FILM,PEF;4.7nF,5%,100V,TP,10.5x12.5x6.	
CF06	2305-000704	C-FILM,MPEF;100nF,5%,250V,TP,16.5x10.3x5	
CF08	2201-000982	C-CERAMIC,DISC;10nF,+80-20%,50V,Y5V,TP,6	

Loc	Part-No	Description & Specification	Remarks
CF71	2201-000292	C-CERAMIC,DISC;1nF,10%,50V,Y5P,TP,5x3,5	
CF73	2201-000292	C-CERAMIC,DISC;1nF,10%,50V,Y5P,TP,5x3,5	
CF74	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
CF76	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
CF77	2201-000292	C-CERAMIC,DISC;1nF,10%,50V,Y5P,TP,5x3,5	
CF78	2401-001157	C-AL;33uF,20%,160V,GP,TP,12.5x20,5	
CF79	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
CF80	2401-000832	C-AL;220uF,20%,25V,GP,TP,8x11.5,5	
CF81	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
CN501	AA39-20032(	LEAD CONNECTOR-ASSY;-,67096-012,5,12P,50	
CN501	3711-003641	CONNECTOR-HEADER;BOX,12P,1R,2.5mm,STRAIG	
CN502	AA39-20025E	LEAD-CONNECTOR,ASSY;-,67096-010,S,10P,40	
CN502	3711-002641	CONNECTOR-HEADER;BOX,10P,1R,2.54mm,STRAI	
CRT+T	AA39-20010(	LEAD-CONNECTOR,ASSY;-,YFH800-01,S,1P,600	
CT503	AA39-20010E	LEAD-CONNECTOR,ASSY;-,YFH800-01,S,1P,500	
D501	0401-000005	DIODE-SWITCHING;1N4148,75V,200MA,DO-35,T	
D502	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
D504	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
D509	0402-001105	DIODE-RECTIFIER;ERB43-04SV1,400V,1.0A,-	
D510	0402-001105	DIODE-RECTIFIER;ERB43-04SV1,400V,1.0A,-	
D511	0402-001105	DIODE-RECTIFIER;ERB43-04SV1,400V,1.0A,-	
D512	0402-001105	DIODE-RECTIFIER;ERB43-04SV1,400V,1.0A,-	
D513	0402-001105	DIODE-RECTIFIER;ERB43-04SV1,400V,1.0A,-	
D514	0402-001105	DIODE-RECTIFIER;ERB43-04SV1,400V,1.0A,-	
DF01	0401-000005	DIODE-SWITCHING;1N4148,75V,200MA,DO-35,T	
DF02	0401-000005	DIODE-SWITCHING;1N4148,75V,200MA,DO-35,T	
DF05	0401-000005	DIODE-SWITCHING;1N4148,75V,200MA,DO-35,T	
DF06	0401-000005	DIODE-SWITCHING;1N4148,75V,200MA,DO-35,T	
DF07	0402-001105	DIODE-RECTIFIER;ERB43-04SV1,400V,1.0A,-	
DF08	0402-001105	DIODE-RECTIFIER;ERB43-04SV1,400V,1.0A,-	
DZ501	0403-000654	DIODE-ZENER;MTZ12B,12V,11.44-12.03V,500m	
DZ502	0403-000654	DIODE-ZENER;MTZ12B,12V,11.44-12.03V,500m	
DZ503	0403-000654	DIODE-ZENER;MTZ12B,12V,11.44-12.03V,500m	
DZ504	0401-000005	DIODE-SWITCHING;1N4148,75V,200MA,DO-35,T	
DZ505	0403-000659	DIODE-ZENER;MTZ2.0A,2V,1.88-2.10V,500mW,	
DZ506	0403-000655	DIODE-ZENER;MTZ13A,13V,12.11-12.75V,500m	
FN1	3711-002643	CONNECTOR-HEADER;BOX,4P,1R,2.5MM,STRAIGH	
FV1	3711-002642	CONNECTOR-HEADER;BOX,3P,1R,2.5MM,STRAIGH	
GT504	AA39-20010E	LEAD-CONNECTOR,ASSY;-,YFH800-01,S,1P,400	
GT505	AA39-20010E	LEAD-CONNECTOR,ASSY;-,YFH800-01,S,1P,500	
IC501	1201-001131	IC-VIDEO AMP;6111,SIP,9P,-,SINGLE,-,PLAS	H/SINK
IC502	1201-001131	IC-VIDEO AMP;6111,SIP,9P,-,SINGLE,-,PLAS	H/SINK
IC503	1201-001131	IC-VIDEO AMP;6111,SIP,9P,-,SINGLE,-,PLAS	H/SINK
IC504	1201-000010	IC-OP AMP;2030,PENTAWATT,5P,-,SINGLE,-,C	H/SINK
IC505	AA13-20004(	IC-HYBRID;-,SPK102T,SIP,6P,SPOT KILLER,T	
L502	2701-000178	INDUCTOR-AXIAL;33uH,10%,2.8x7mm	
LF02	2702-000160	INDUCTOR-RADIAL;4.7uH,10%,6x6.4mm	
LF03	2701-000112	INDUCTOR-AXIAL;100uH,10%,2.8x7mm	
LF04	3301-000287	CORE-FERRITE BEAD;AA,3.5x1x6mm,1500,2400	
QF02	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
QF03	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
QF04	0501-000283	TR-SMALL SIGNAL;KSA539,PNP,400mW,TO-92,T	
QF06	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
QF07	0501-000369	TR-SMALL SIGNAL;KSC2331-Y,NPN,1W,TO-92L,	
QF08	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
QF09	0502-000131	TR-POWER;2SA1011-D,PNP,1.2W,TO-220,-,60	H/SINK
QF10	0502-000153	TR-POWER;2SC2344-D,NPN,1.2W,TO-220,-,60	H/SINK
R501	2001-000258	R-CARBON;1.8KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R502	2001-000258	R-CARBON;1.8KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R503	2001-000258	R-CARBON;1.8KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R504	2001-001045	R-CARBON(S);1.2KOHM,5%,1/2W,AA,TP,2.4X6.	
R505	2001-001045	R-CARBON(S);1.2KOHM,5%,1/2W,AA,TP,2.4X6.	
R506	2001-001045	R-CARBON(S);1.2KOHM,5%,1/2W,AA,TP,2.4X6.	
R507	2001-001159	R-CARBON(S);510OHM,5%,1/2W,AA,TP,2.4X6.4	
R510	2001-001194	R-CARBON(S);82KOHM,5%,1/2W,AA,TP,2.4X6.4	
R511	2001-001194	R-CARBON(S);82KOHM,5%,1/2W,AA,TP,2.4X6.4	
R512	2001-001194	R-CARBON(S);82KOHM,5%,1/2W,AA,TP,2.4X6.4	
R513	2002-001017	R-COMPOSITION;1K,10%,1/2W,AA,TP,3.7x9.0m	
R514	2002-001017	R-COMPOSITION;1K,10%,1/2W,AA,TP,3.7x9.0m	
R515	2002-001017	R-COMPOSITION;1K,10%,1/2W,AA,TP,3.7x9.0m	
R518	2001-001095	R-CARBON(S);2.2MOHM,5%,1/2W,AA,TP,2.4X6.	
R525	2002-001006	R-COMPOSITION;4.7KOHM,10%,1/2W,AA,TP,3.7	
R530	2001-000356	R-CARBON;150KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R531	2001-001086	R-CARBON(S);18KOHM,5%,1/2W,AA,TP,2.4X6.4	
R556	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R557	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R558	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R560	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R561	2001-000832	R-CARBON;510OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R562	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R563	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R564	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R565	2004-001379	R-METAL(S);12Kohm,1%,1/2W,AA,TP,2.4x6.4m	
R566	2001-001040	R-CARBON(S);0.68OHM,5%,1/2W,AA,TP,2.4X6.	
RF01	2001-000347	R-CARBON;13KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
RF02	2001-000006	R-CARBON;2.4KOHM,5%,1/8W,AA,TP,1.8X3.2M	
RF03	2001-000534	R-CARBON;240OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RF05	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
RF06	2001-000405	R-CARBON;180OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RF07	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
RF08	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
RF09	2001-000490	R-CARBON;200OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RF10	2001-000674	R-CARBON;360OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RF11	2001-000362	R-CARBON;150OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RF12	2001-000362	R-CARBON;150OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RF13	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
RF20	2001-000313	R-CARBON;11KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
RF21	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
RF22	2004-001989	R-METAL;620ohm,5%,1/8W,AA,TP,1.8x3.2mm	
RF23	2001-000362	R-CARBON;150OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RF24	2003-001023	R-METAL OXIDE(S);120ohm,0.05,2W,AF,TP,3.	
RF25	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	
RF26	2001-001179	R-CARBON(S);68KOHM,5%,1/2W,AA,TP,2.4X6.4	
RF27	2001-001179	R-CARBON(S);68KOHM,5%,1/2W,AA,TP,2.4X6.4	
RF28	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	
RF29	2001-001071	R-CARBON(S);12KOHM,5%,1/2W,AA,TP,2.4X6.4	
RF30	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
RF31	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
RF32	2003-000746	R-METAL OXIDE(S);56ohm,5%,2W,AF,TP,4x12m	
RF33	2001-001100	R-CARBON(S);2.7OHM,5%,1/2W,AA,TP,2.4X6.4	
RF34	2001-001100	R-CARBON(S);2.7OHM,5%,1/2W,AA,TP,2.4X6.4	
RF35	2003-000746	R-METAL OXIDE(S);56ohm,5%,2W,AF,TP,4x12m	
RF36	2003-002009	R-METAL OXIDE(S);390ohm,5%,2W,AF,TP,3.9x	
RF37	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RF38	2001-000989	R-CARBON;820KOHM,5%,1/8W,AA,TP,1.8X3.2M	
RF39	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
VA999	3704-001032	SOCKET-CRT;8P,29PI,35.5PI,AU30U"	

ASSY-SOUND

*	AA95-40009:	ASSY-SOUND;-,CW764AHD,SCT53A,DOLBY,3D,-	
C601	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C602	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C603	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
C604	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	

Loc	Part-No	Description & Specification	Remarks
C605	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
C606	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,	
C610	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
C611	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
C612	2203-000716	C-CERAMIC,CHIP;3.3nF,10%,50V,X7R,TP,2012	
C613	2203-000716	C-CERAMIC,CHIP;3.3nF,10%,50V,X7R,TP,2012	
C614	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
C615	2203-000595	C-CERAMIC,CHIP;220pF,5%,50V,NPO,TP,2012,	
C616	2203-000938	C-CERAMIC,CHIP;470pF,5%,50V,NPO,TP,2012,	
C617	2203-000142	C-CERAMIC,CHIP;1.5nF,10%,50V,X7R,TP,2012	
C618	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
C619	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
C620	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
C621	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
C622	2203-000701	C-CERAMIC,CHIP;2pF,0.25pF,50V,NPO,TP,201	
C623	2203-000701	C-CERAMIC,CHIP;2pF,0.25pF,50V,NPO,TP,201	
C624	2203-001077	C-CERAMIC,CHIP;56pF,5%,50V,NPO,TP,2012,-	
C625	2203-001077	C-CERAMIC,CHIP;56pF,5%,50V,NPO,TP,2012,-	
C626	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
C627	2203-000938	C-CERAMIC,CHIP;470pF,5%,50V,NPO,TP,2012,	
C628	2203-000142	C-CERAMIC,CHIP;1.5nF,10%,50V,X7R,TP,2012	
C629	2203-001077	C-CERAMIC,CHIP;56pF,5%,50V,NPO,TP,2012,-	
C630	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
C631	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C632	2203-000753	C-CERAMIC,CHIP;330nF,+80-20%,50V,Y5V,TP,	
C633	2203-000753	C-CERAMIC,CHIP;330nF,+80-20%,50V,Y5V,TP,	
C634	2203-000784	C-CERAMIC,CHIP;330pF,5%,50V,NPO,TP,2012,	
C635	2203-000784	C-CERAMIC,CHIP;330pF,5%,50V,NPO,TP,2012,	
C636	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C637	2401-001026	C-AL;3.3UF,20%,50V,GP,TP,5X11,5	
C638	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
C639	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
C640	2203-000938	C-CERAMIC,CHIP;470pF,5%,50V,NPO,TP,2012,	
C641	2203-000142	C-CERAMIC,CHIP;1.5nF,10%,50V,X7R,TP,2012	
C642	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
C643	2401-000914	C-AL;22uF,20%,16V,GP,TP,5x11,5	
C644	2401-000914	C-AL;22uF,20%,16V,GP,TP,5x11,5	
C645	2401-000914	C-AL;22uF,20%,16V,GP,TP,5x11,5	
C646	2401-000914	C-AL;22uF,20%,16V,GP,TP,5x11,5	
C647	2401-000027	C-AL;4.7uF,20%,50V,GP,TP,5x11,5	
C648	2401-000027	C-AL;4.7uF,20%,50V,GP,TP,5x11,5	
C649	2401-001496	C-AL;47uF,20%,16V,GP,TP,5x7,5	
C650	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,	
C651	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
C653	2203-000784	C-CERAMIC,CHIP;330pF,5%,50V,NPO,TP,2012,	
C654	2203-000753	C-CERAMIC,CHIP;330nF,+80-20%,50V,Y5V,TP,	
C655	2203-000784	C-CERAMIC,CHIP;330pF,5%,50V,NPO,TP,2012,	
C656	2203-000753	C-CERAMIC,CHIP;330nF,+80-20%,50V,Y5V,TP,	
C657	2203-000753	C-CERAMIC,CHIP;330nF,+80-20%,50V,Y5V,TP,	
C658	2203-000784	C-CERAMIC,CHIP;330pF,5%,50V,NPO,TP,2012,	
C659	2401-000660	C-AL;2.2uF,20%,50V,GP,TP,5x11,5	
C660	2401-000660	C-AL;2.2uF,20%,50V,GP,TP,5x11,5	
C661	2203-000784	C-CERAMIC,CHIP;330pF,5%,50V,NPO,TP,2012,	
C662	2203-000753	C-CERAMIC,CHIP;330nF,+80-20%,50V,Y5V,TP,	
C663	2203-000753	C-CERAMIC,CHIP;330nF,+80-20%,50V,Y5V,TP,	
C664	2203-000784	C-CERAMIC,CHIP;330pF,5%,50V,NPO,TP,2012,	
C665	2401-000660	C-AL;2.2uF,20%,50V,GP,TP,5x11,5	
C666	2401-000660	C-AL;2.2uF,20%,50V,GP,TP,5x11,5	
C667	2203-000784	C-CERAMIC,CHIP;330pF,5%,50V,NPO,TP,2012,	
C668	2203-000753	C-CERAMIC,CHIP;330nF,+80-20%,50V,Y5V,TP,	
C669	2203-000753	C-CERAMIC,CHIP;330nF,+80-20%,50V,Y5V,TP,	
C670	2203-000784	C-CERAMIC,CHIP;330pF,5%,50V,NPO,TP,2012,	
C671	2401-000660	C-AL;2.2uF,20%,50V,GP,TP,5x11,5	
C672	2401-000660	C-AL;2.2uF,20%,50V,GP,TP,5x11,5	
C679	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,	
C680	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,	
C681	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C682	2203-002392	C-CERAMIC,CHIP;220nF,+80-20%,50V,Y5V,TP,	
C683	2203-002392	C-CERAMIC,CHIP;220nF,+80-20%,50V,Y5V,TP,	
C684	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
C685	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
C688	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
C691	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
C692	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,	
C694	2401-002212	C-AL;10uF,20%,25V,WT,TP,5x11,5.0mm	
C695	2203-000753	C-CERAMIC,CHIP;330nF,+80-20%,50V,Y5V,TP,	
C696	2203-000716	C-CERAMIC,CHIP;3.3nF,10%,50V,X7R,TP,2012	
C697	2203-000716	C-CERAMIC,CHIP;3.3nF,10%,50V,X7R,TP,2012	
CD601	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,	
CD602	2203-000142	C-CERAMIC,CHIP;1.5nF,10%,50V,X7R,TP,2012	
CD603	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
CD604	2203-000595	C-CERAMIC,CHIP;220pF,5%,50V,NPO,TP,2012,	
CD605	2203-000938	C-CERAMIC,CHIP;470pF,5%,50V,NPO,TP,2012,	
CD606	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
CD607	2203-000938	C-CERAMIC,CHIP;470pF,5%,50V,NPO,TP,2012,	
CD608	2203-000142	C-CERAMIC,CHIP;1.5nF,10%,50V,X7R,TP,2012	
CD609	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
CD610	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
CD611	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
CD612	2401-001026	C-AL;3.3UF,20%,50V,GP,TP,5X11,5	
CD613	2401-000914	C-AL;22uF,20%,16V,GP,TP,5x11,5	
CD615	2401-000914	C-AL;22uF,20%,16V,GP,TP,5x11,5	
CD616	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
CD618	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
CD619	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
CD620	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
CD621	2203-000938	C-CERAMIC,CHIP;470pF,5%,50V,NPO,TP,2012,	
CD622	2203-000142	C-CERAMIC,CHIP;1.5nF,10%,50V,X7R,TP,2012	
CD623	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
CD624	2203-000495	C-CERAMIC,CHIP;2.2nF,10%,50V,X7R,TP,2012	
CD625	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
CD626	2203-000495	C-CERAMIC,CHIP;2.2nF,10%,50V,X7R,TP,2012	
CD627	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
CD628	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,	
CD629	2401-002009	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
CD630	2203-000753	C-CERAMIC,CHIP;330nF,+80-20%,50V,Y5V,TP,	
CN601	3711-003626	CONNECTOR-HEADER;NOWALL,20P,1R,2.5mm,ANG	
CN602	3711-003626	CONNECTOR-HEADER;NOWALL,20P,1R,2.5mm,ANG	
D601	0401-000133	DIODE-SWITCHING;RLS4148,100V,200mA,SOD-8	
D602	0401-000133	DIODE-SWITCHING;RLS4148,100V,200mA,SOD-8	
D603	0401-000005	DIODE-SWITCHING;1N4148,75V,200MA,DO-35,T	
D604	0401-000005	DIODE-SWITCHING;1N4148,75V,200MA,DO-35,T	
D605	0401-000005	DIODE-SWITCHING;1N4148,75V,200MA,DO-35,T	
D606	0401-000005	DIODE-SWITCHING;1N4148,75V,200MA,DO-35,T	
IC601	1204-001163	IC-SOUND PROCESSOR;MSP3410D,PLCC,68P,24.	
IC602	1001-000164	IC-ANALOG MULTIPLEX;74HC4052,CMOS,SOP,16	
IC603	1201-000407	IC-POWER AMP;7050,DIP,8P,-,SINGLE,-,PLAS	
IC604	1201-000541	IC-OP AMP;062,SOP,8P,153MIL,DUAL,6V/mV,P	
ICD60	1204-001198	IC-DECODER;DPL3519A,PLCC,68P,24.2MIL,PLA	
ICD60	1201-000541	IC-OP AMP;062,SOP,8P,153MIL,DUAL,6V/mV,P	
L601	2701-000170	INDUCTOR-AXIAL;3.9uH,10%,2.8x7mm	
L602	2701-000170	INDUCTOR-AXIAL;3.9uH,10%,2.8x7mm	
L603	2701-000112	INDUCTOR-AXIAL;100uH,10%,2.8x7mm	
LD601	2701-000170	INDUCTOR-AXIAL;3.9uH,10%,2.8x7mm	
LD602	2701-000112	INDUCTOR-AXIAL;100uH,10%,2.8x7mm	
LD603	2701-000170	INDUCTOR-AXIAL;3.9uH,10%,2.8x7mm	

Loc	Part-No	Description & Specification	Remarks
Q604	0501-000727	TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,	
Q605	0501-000727	TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,	
Q606	0501-000727	TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,	
Q607	0501-000727	TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,	
R603	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R604	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R605	2007-000881	R-CHIP;4.7ohm,5%,1/10W,DA,TP,2012	
R606	2007-000881	R-CHIP;4.7ohm,5%,1/10W,DA,TP,2012	
R607	2001-001105	R-CARBON(S);20OHM,5%,1/2W,AA,TP,2.4X6.4M	
R608	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R609	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R610	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R611	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R612	2007-000686	R-CHIP;3.3KOHM,5%,1/10W,DA,TP,2012	
R613	2007-000686	R-CHIP;3.3KOHM,5%,1/10W,DA,TP,2012	
R614	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R617	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R618	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R619	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R620	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R621	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R622	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R623	2007-000477	R-CHIP;1MOHM,5%,1/10W,DA,TP,2012	
R624	2007-000477	R-CHIP;1MOHM,5%,1/10W,DA,TP,2012	
R625	2007-000477	R-CHIP;1MOHM,5%,1/10W,DA,TP,2012	
R626	2007-000477	R-CHIP;1MOHM,5%,1/10W,DA,TP,2012	
R632	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R633	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R634	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R635	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R636	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R637	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R638	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R639	2007-000001	R-CHIP;68KOHM,5%,1/10W,DA,TP,2012	
R641	2007-000001	R-CHIP;68KOHM,5%,1/10W,DA,TP,2012	
R642	2007-000001	R-CHIP;68KOHM,5%,1/10W,DA,TP,2012	
R644	2007-000001	R-CHIP;68KOHM,5%,1/10W,DA,TP,2012	
R645	2007-000001	R-CHIP;68KOHM,5%,1/10W,DA,TP,2012	
R646	2007-000001	R-CHIP;68KOHM,5%,1/10W,DA,TP,2012	
R647	2007-001177	R-CHIP;8.2KOHM,5%,1/10W,DA,TP,2012	
R648	2007-001177	R-CHIP;8.2KOHM,5%,1/10W,DA,TP,2012	
R651	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R652	2007-000221	R-CHIP;1.2KOHM,5%,1/10W,DA,TP,2012	
R653	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R655	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R656	2007-000221	R-CHIP;1.2KOHM,5%,1/10W,DA,TP,2012	
R657	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R660	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R661	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R662	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	
R663	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	
R664	2007-000518	R-CHIP;2.7KOHM,5%,1/10W,DA,TP,2012	
R665	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R666	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R667	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	
R668	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	
R669	2007-000518	R-CHIP;2.7KOHM,5%,1/10W,DA,TP,2012	
R670	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R671	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R672	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R673	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R674	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R675	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	

Loc	Part-No	Description & Specification	Remarks
RD601	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
RD602	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
RD603	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	
RD604	2007-000518	R-CHIP;2.7KOHM,5%,1/10W,DA,TP,2012	
RD605	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
RD606	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	
RD608	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	
RD609	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	
RD610	2007-000518	R-CHIP;2.7KOHM,5%,1/10W,DA,TP,2012	
RD611	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
RD627	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
X601	2801-000186	CRYSTAL-UNIT;18.432MHZ,25PPM,28-AAM,8PF,	
Z601	0403-000546	DIODE-ZENER;MTZ3.6B,3.6V,3.6-3.845V,500m	
		ASSY-PCB,AV-TERMINAL	
*	AA95-90028›	ASSY-PCB,AV-TERMINAL;-,CX724AHA,SCT53A,P	
C701	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,	
C702	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,	
C703	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,	
C704	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,	
C705	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,	
C706	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C707	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,	
C710	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,	
C711	2401-002009	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
C712	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C713	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,	
C714	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,	
C717	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C718	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C719	2203-000239	C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,2012,	
C720	2203-000938	C-CERAMIC,CHIP;470pF,5%,50V,NPO,TP,2012,	
C721	2203-000595	C-CERAMIC,CHIP;220pF,5%,50V,NPO,TP,2012,	
C723	2203-002392	C-CERAMIC,CHIP;220nF,+80-20%,50V,Y5V,TP,	
C724	2203-000683	C-CERAMIC,CHIP;27pF,5%,50V,NPO,TP,2012,-	
C725	2203-000683	C-CERAMIC,CHIP;27pF,5%,50V,NPO,TP,2012,-	
C726	2203-000683	C-CERAMIC,CHIP;27pF,5%,50V,NPO,TP,2012,-	
C727	2203-000239	C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,2012,	
C728	2203-000239	C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,2012,	
C729	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
C730	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
C731	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
C732	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
C733	2203-000239	C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,2012,	
C734	2203-000239	C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,2012,	
C735	2203-000239	C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,2012,	
C736	2203-000239	C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,2012,	
C737	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
C738	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
C739	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,	
C740	2401-002299	C-AL;4.7uF,20%,50V,GP,TP,5x7,5	
C741	2401-002299	C-AL;4.7uF,20%,50V,GP,TP,5x7,5	
C742	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C743	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,	
C744	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,	
C745	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C746	2401-002009	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
C747	2401-002009	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
C748	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C749	2401-002299	C-AL;4.7uF,20%,50V,GP,TP,5x7,5	
C750	2401-002299	C-AL;4.7uF,20%,50V,GP,TP,5x7,5	

Loc	Part-No	Description & Specification	Remarks
C751	2401-002299	C-AL;4.7uF,20%,50V,GP,TP,5x7,5	
C752	2401-002299	C-AL;4.7uF,20%,50V,GP,TP,5x7,5	
C755	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C758	2401-002009	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
C759	2401-002009	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
C760	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C761	2203-000683	C-CERAMIC,CHIP;27pF,5%,50V,NPO,TP,2012,-	
C762	2203-000683	C-CERAMIC,CHIP;27pF,5%,50V,NPO,TP,2012,-	
C763	2203-000683	C-CERAMIC,CHIP;27pF,5%,50V,NPO,TP,2012,-	
C764	2203-000578	C-CERAMIC,CHIP;220nF,20%,50V,Y5V,TP,3216	
C765	2203-000578	C-CERAMIC,CHIP;220nF,20%,50V,Y5V,TP,3216	
C766	2203-000578	C-CERAMIC,CHIP;220nF,20%,50V,Y5V,TP,3216	
C767	2203-000578	C-CERAMIC,CHIP;220nF,20%,50V,Y5V,TP,3216	
C768	2203-000578	C-CERAMIC,CHIP;220nF,20%,50V,Y5V,TP,3216	
C769	2203-000578	C-CERAMIC,CHIP;220nF,20%,50V,Y5V,TP,3216	
C770	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,	
C771	2401-002009	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
C772	2203-000818	C-CERAMIC,CHIP;33pF,5%,50V,NPO,TP,2012,-	
C773	2203-000818	C-CERAMIC,CHIP;33pF,5%,50V,NPO,TP,2012,-	
CN701	3722-000498	JACK-SCART;21P,-,SN,BLK,NO	
CN702	3722-000498	JACK-SCART;21P,-,SN,BLK,NO	
CN703	3722-000498	JACK-SCART;21P,-,SN,BLK,NO	
CN704	3711-003630	CONNECTOR-HEADER;BOX,32P,2R,2.54mm,ANGLE	
CN705	3711-003630	CONNECTOR-HEADER;BOX,32P,2R,2.54mm,ANGLE	
CN707	3722-001157	JACK-RCA;5P(6P),3.4mm,SN,BLK,#16-22	
D701	0401-000133	DIODE-SWITCHING;RLS4148,100V,200mA,SOD-8	
D702	0403-000296	DIODE-ZENER;MTZ5.6B,5.6V,5.45-5.73V,500m	
D703	0401-000133	DIODE-SWITCHING;RLS4148,100V,200mA,SOD-8	
D704	0401-000133	DIODE-SWITCHING;RLS4148,100V,200mA,SOD-8	
D707	0401-000133	DIODE-SWITCHING;RLS4148,100V,200mA,SOD-8	
D708	0401-000133	DIODE-SWITCHING;RLS4148,100V,200mA,SOD-8	
D709	0401-000133	DIODE-SWITCHING;RLS4148,100V,200mA,SOD-8	
D710	0401-000133	DIODE-SWITCHING;RLS4148,100V,200mA,SOD-8	
IC701	1001-001030	IC-VIDEO SWITCH;TDA6920X,-,SOP,28P,300MI	
IC702	1001-001030	IC-VIDEO SWITCH;TDA6920X,-,SOP,28P,300MI	
IC703	1201-000541	IC-OP AMP;062,SOP,8P,153MIL,DUAL,6V/mV,P	
IC704	1201-000541	IC-OP AMP;062,SOP,8P,153MIL,DUAL,6V/mV,P	
IC705	1001-000223	IC-VIDEO SWITCH;TEA5114A,-,DIP,16P,334MI	
J701	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
J702	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
J703	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
L701	2701-000116	INDUCTOR-AXIAL;10uH,10%,4.2x9.8mm	
L705	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L706	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L707	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L708	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L709	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L710	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L711	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L712	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L713	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L714	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L715	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L716	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L717	2701-000116	INDUCTOR-AXIAL;10uH,10%,4.2x9.8mm	
L718	2701-000116	INDUCTOR-AXIAL;10uH,10%,4.2x9.8mm	
L719	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L720	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L721	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
Q701	0501-000727	TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,	
Q702	0501-000727	TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,	
Q703	0501-000727	TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,	
Q704	0501-000727	TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,	
Q705	0501-000727	TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,	
Q706	0501-000727	TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,	
Q707	0501-000727	TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,	
Q708	0501-000727	TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,	
Q709	0501-000727	TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,	
Q710	0501-000727	TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,	
Q711	0501-000727	TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,	
Q712	0501-000727	TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,	
Q713	0501-000727	TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,	
Q714	0501-000727	TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,	
Q715	0501-000727	TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,	
Q716	0501-000727	TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,	
Q717	0501-000727	TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,	
R701	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R702	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R703	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R704	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R705	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R706	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R707	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R708	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R709	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R710	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R711	2007-001071	R-CHIP;6.8KOHM,5%,1/10W,DA,TP,2012	
R712	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
R713	2007-000686	R-CHIP;3.3KOHM,5%,1/10W,DA,TP,2012	
R714	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
R715	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
R716	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R717	2007-000738	R-CHIP;30KOHM,5%,1/10W,DA,TP,2012	
R718	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R719	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R720	2007-000241	R-CHIP;1.5KOHM,5%,1/10W,DA,TP,2012	
R721	2007-000241	R-CHIP;1.5KOHM,5%,1/10W,DA,TP,2012	
R722	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
R723	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
R724	2007-000653	R-CHIP;27KOHM,5%,1/10W,DA,TP,2012	
R725	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R726	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R727	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R728	2007-000477	R-CHIP;1MOHM,5%,1/10W,DA,TP,2012	
R729	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R730	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	
R731	2007-000267	R-CHIP;1.8KOHM,5%,1/10W,DA,TP,2012	
R732	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R733	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R734	2007-000642	R-CHIP;270OHM,5%,1/10W,DA,TP,2012	
R735	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R736	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R737	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R738	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R739	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R740	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R744	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R745	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R747	2007-000028	R-CHIP;39OHM,5%,1/10W,DA,TP,2012	
R748	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R749	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R750	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R752	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R753	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R754	2007-000457	R-CHIP;18KOHM,5%,1/10W,DA,TP,2012	
R755	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	

Loc	Part-No	Description & Specification	Remarks
R756	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R757	2007-000457	R-CHIP;18KOHM,5%,1/10W,DA,TP,2012	
R758	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
R759	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R760	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R761	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R762	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R763	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R764	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R765	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R766	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R767	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R768	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
R769	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R770	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R771	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R772	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R773	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R774	2007-000401	R-CHIP;150OHM,5%,1/10W,DA,TP,2012	
R775	2007-000401	R-CHIP;150OHM,5%,1/10W,DA,TP,2012	
R776	2007-000401	R-CHIP;150OHM,5%,1/10W,DA,TP,2012	
R777	2007-000449	R-CHIP;180OHM,5%,1/10W,DA,TP,2012	
R778	2007-000449	R-CHIP;180OHM,5%,1/10W,DA,TP,2012	
R779	2007-000449	R-CHIP;180OHM,5%,1/10W,DA,TP,2012	
R780	2007-000030	R-CHIP;560OHM,5%,1/10W,DA,TP,2012	
R781	2007-000844	R-CHIP;3KOHM,5%,1/10W,DA,TP,2012	
R782	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
R783	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
R784	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R785	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R786	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R787	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R788	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R789	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R789	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
R790	2007-000449	R-CHIP;180OHM,5%,1/10W,DA,TP,2012	
		ASSY-PCB,PIP	
*	AA95-90033[	ASSY-PCB,PIP;-,CS767AHTR,SCT53A,PAL,-,-	
CNP01	3711-002709	CONNECTOR-HEADER;NOWALL,12P,1R,2.5MM,ANG	
CNP03	3711-002709	CONNECTOR-HEADER;NOWALL,12P,1R,2.5MM,ANG	
CP101	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216	
CP102	2401-000922	C-AL;22uF,20%,16V,GP,TP,5x5,5	
CP103	2203-000429	C-CERAMIC,CHIP;18pF,5%,50V,NPO,TP,2012,-	
CP104	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
CP105	2203-000717	C-CERAMIC,CHIP;3.3nF,10%,50V,X7R,TP,3216	
CP106	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216	
CP107	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216	
CP108	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216	
CP109	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
CP110	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216	
CP111	2203-000716	C-CERAMIC,CHIP;3.3nF,10%,50V,X7R,TP,2012	
CP112	2401-000660	C-AL;2.2uF,20%,50V,GP,TP,5x11,5	
CP114	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216	
CP115	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216	
CP116	2203-000753	C-CERAMIC,CHIP;330nF,+80-20%,50V,Y5V,TP,	
CP117	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
CP118	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216	
CP119	2201-000692	C-CERAMIC,DISC;8pF,0.5pF,50V,UJ,TP,5x3,5	
CP120	2203-000578	C-CERAMIC,CHIP;220nF,20%,50V,Y5V,TP,3216	
CP121	2401-000660	C-AL;2.2uF,20%,50V,GP,TP,5x11,5	

Loc	Part-No	Description & Specification	Remarks
CP123	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,	
CP124	2401-000660	C-AL;2.2uF,20%,50V,GP,TP,5x11,5	
CP125	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,	
CP126	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
CP127	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216	
CP129	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,	
CP130	2203-000239	C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,2012,	
CP131	2201-000692	C-CERAMIC,DISC;8pF,0.5pF,50V,UJ,TP,5x3,5	
CP132	2203-000239	C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,2012,	
CP133	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216	
CP134	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
CP135	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
CP136	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,	
CP137	2203-000938	C-CERAMIC,CHIP;470pF,5%,50V,NPO,TP,2012,	
CP142	2401-000199	C-AL;1000uF,20%,6.3V,GP,TP,10x12.5,5	
CP143	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
CP144	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216	
CP145	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216	
CP201	2203-000325	C-CERAMIC,CHIP;12nF,10%,50V,X7R,TP,3216,	
CP203	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
CP204	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216	
CP205	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
CP206	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216	
CP207	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
CP208	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216	
CP209	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
CP210	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
CP211	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
CP213	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
CP214	2203-000578	C-CERAMIC,CHIP;220nF,20%,50V,Y5V,TP,3216	
CP215	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
CP216	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216	
CP217	2203-000578	C-CERAMIC,CHIP;220nF,20%,50V,Y5V,TP,3216	
CP218	2203-002085	C-CERAMIC,CHIP;56nF,10%,50V,X7R,TP,2012,	
CP219	2203-000495	C-CERAMIC,CHIP;2.2nF,10%,50V,X7R,TP,2012	
CP220	2203-000578	C-CERAMIC,CHIP;220nF,20%,50V,Y5V,TP,3216	
CP221	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216	
CP301	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
CP302	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216	
CP303	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
CP304	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216	
CP305	2203-000389	C-CERAMIC,CHIP;15pF,5%,50V,NPO,TP,2012,-	
CP306	2203-000389	C-CERAMIC,CHIP;15pF,5%,50V,NPO,TP,2012,-	
DP101	0401-000160	DIODE-SWITCHING;ISS314,30V,100mA,USC,TP	
DP103	0403-000563	DIODE-ZENER;MTZ9.1B,9.1V,8.57-9.01V,500m	
DP105	0401-000160	DIODE-SWITCHING;ISS314,30V,100mA,USC,TP	
DP201	0403-000662	DIODE-ZENER;MTZ3.0B,3.0V,3.01-3.22V,500m	
ICP10[	1204-000530	IC-PAL/NTSC DECODER;TDA9160A,DIP,32P,400	
ICP10[	1204-000560	IC-DEMODULATOR;TDA9815,DIP,32P,400MIL,PL	
ICP10[	AA13-20004/	IC-HYBRID;-,PAP102T,SIP,6P,PRE-AMP,TP	
ICP10[	1204-000635	IC-PICTURE PROCESS;SDA9189X,SOP,32P,350M	
ICP20[	1002-000206	IC-A/D CONVERTER;SDA9187-2X,6BIT,SOP,28P	
LP102	2701-000219	INDUCTOR-AXIAL;820nH,10%,2.5x3.4mm	
LP103	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
LP104	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
LP105	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
LP201	2701-000197	INDUCTOR-AXIAL;5.6uH,10%,2.5x3.4mm	
LP301	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
QP104	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	
QP105	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	
QP106	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	
QP201	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	
QP202	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	

Loc	Part-No	Description & Specification	Remarks
QP203	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23	
QP204	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	
QP205	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	
QP206	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	
QP302	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	
QP303	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23	
QP304	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23	
QP305	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23	
RC129	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
RP101	2007-001208	R-CHIP;82KOHM,5%,1/10W,DA,TP,2012	
RP104	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
RP105	2007-000328	R-CHIP;11KOHM,5%,1/10W,DA,TP,2012	
RP106	2007-000774	R-CHIP;33KOHM,5%,1/10W,DA,TP,2012	
RP107	2007-000409	R-CHIP;15KOHM,5%,1/10W,DA,TP,2012	
RP108	2007-000493	R-CHIP;2.2KOHM,5%,1/10W,DA,TP,2012	
RP109	2007-000830	R-CHIP;39KOHM,5%,1/10W,DA,TP,2012	
RP110	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
RP111	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
RP112	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
RP113	2007-000774	R-CHIP;33KOHM,5%,1/10W,DA,TP,2012	
RP114	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RP115	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RP116	2007-000493	R-CHIP;2.2KOHM,5%,1/10W,DA,TP,2012	
RP118	2001-000117	R-CARBON(S);68OHM,5%,1/2W,AA,TP,2.4X6.4M	
RP119	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	
RP122	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
RP123	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
RP124	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
RP125	2007-000401	R-CHIP;150OHM,5%,1/10W,DA,TP,2012	
RP126	2103-000665	VR-SEMI;20Kohm,25%,1/5W,SIDE	
RP127	2007-000030	R-CHIP;560OHM,5%,1/10W,DA,TP,2012	
RP128	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
RP130	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
RP131	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
RP132	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
RP135	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
RP136	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
RP137	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
RP138	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
RP140	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
RP201	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
RP202	2007-000401	R-CHIP;150OHM,5%,1/10W,DA,TP,2012	
RP203	2007-000703	R-CHIP;3.6KOHM,5%,1/10W,DA,TP,2012	
RP204	2007-000593	R-CHIP;22OHM,5%,1/10W,DA,TP,2012	
RP205	2007-000477	R-CHIP;1MOHM,5%,1/10W,DA,TP,2012	
RP206	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
RP207	2007-001009	R-CHIP;51KOHM,5%,1/10W,DA,TP,2012	
RP208	2007-000774	R-CHIP;33KOHM,5%,1/10W,DA,TP,2012	
RP209	2007-000401	R-CHIP;150OHM,5%,1/10W,DA,TP,2012	
RP210	2007-000221	R-CHIP;1.2KOHM,5%,1/10W,DA,TP,2012	
RP211	2007-001001	R-CHIP;510OHM,5%,1/10W,DA,TP,2012	
RP212	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
RP213	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
RP215	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
RP216	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
RP217	2007-000409	R-CHIP;15KOHM,5%,1/10W,DA,TP,2012	
RP301	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RP303	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
RP304	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RP307	2007-000518	R-CHIP;2.7KOHM,5%,1/10W,DA,TP,2012	
RP308	2007-000401	R-CHIP;150OHM,5%,1/10W,DA,TP,2012	
RP309	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
RP310	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
RP311	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
RP312	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
RP313	2007-001155	R-CHIP;750OHM,5%,1/10W,DA,TP,2012	
RP314	2007-001155	R-CHIP;750OHM,5%,1/10W,DA,TP,2012	
RP315	2007-001155	R-CHIP;750OHM,5%,1/10W,DA,TP,2012	
RP316	2001-001146	R-CARBON(S);4.7OHM,5%,1/2W,AA,TP,2.4X6.4	
RP317	2001-001146	R-CARBON(S);4.7OHM,5%,1/2W,AA,TP,2.4X6.4	
TP101	AA26-10004E	TRANS-IF;-,7MG,VIF,-,7mm,8pF,116.7MHz,S	
XP101	2801-000235	CRYSTAL-UNIT;3.579545MHz,40ppm,28-AAM,S,	
XP102	2801-000276	CRYSTAL-UNIT;4.433619MHz,40ppm,28-AAM,20	
XP301	2802-000121	RESONATOR-CERAMIC;20.48MHz,0.5%,TP,10.0x	
ZP102	2904-000253	FILTER-SAW AV;33.9MHZ,DIP10P,ST,17.1DB,P	
		ASSY-PCB,MICOM	
*	AA95-90033F	ASSY-PCB,MICOM;-,CS767AHTR,SCT53A,RUSSIA	
C901	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C902	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C903	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,	
C906	2401-000027	C-AL;4.7uF,20%,50V,GP,TP,5x11,5	
C907	2203-000858	C-CERAMIC,CHIP;39pF,5%,50V,NPO,TP,2012,-	
C908	2203-000858	C-CERAMIC,CHIP;39pF,5%,50V,NPO,TP,2012,-	
C909	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
C910	2401-001469	C-AL;47uF,20%,10V,GP,TP,5x11,5	
C911	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,	
C917	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C918	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
C919	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,	
C920	2401-001469	C-AL;47uF,20%,10V,GP,TP,5x11,5	
C921	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,	
C922	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,	
C923	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,	
C926	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C927	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,	
C928	2401-001469	C-AL;47uF,20%,10V,GP,TP,5x11,5	
C929	2401-001469	C-AL;47uF,20%,10V,GP,TP,5x11,5	
C930	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,	
C931	2401-000934	C-AL;22uF,20%,25V,BP,TP,8x11.5,5	
C932	2203-000753	C-CERAMIC,CHIP;330nF,+80-20%,50V,Y5V,TP,	
C999	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,	
CNU01	3711-003543	CONNECTOR-HEADER;NOWALL,16P,1R,2.54MM,AN	
CNU02	3711-002709	CONNECTOR-HEADER;NOWALL,12P,1R,2.5MM,ANG	
CNU03	3711-003543	CONNECTOR-HEADER;NOWALL,16P,1R,2.54MM,AN	
CT01	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
CT02	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
CT04	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,	
CT05	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,	
CT06	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,	
CT07	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,	
CT10	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,	
CT11	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
CT12	2203-000634	C-CERAMIC,CHIP;22pF,5%,50V,NPO,TP,2012,-	
CT13	2203-001077	C-CERAMIC,CHIP;56pF,5%,50V,NPO,TP,2012,-	
CT15	2203-000818	C-CERAMIC,CHIP;33pF,5%,50V,NPO,TP,2012,-	
CT16	2203-000818	C-CERAMIC,CHIP;33pF,5%,50V,NPO,TP,2012,-	
CT17	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
CT18	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
CT19	2203-000353	C-CERAMIC,CHIP;150pF,10%,50V,NPO,2012,-,	
CT51	2203-000408	C-CERAMIC,CHIP;180pF,5%,50V,NPO,TP,2012,	
D901	0403-000689	DIODE-ZENER;DTZ5.1A,5.1V,4.84-5.04V,200m	
D902	0403-000296	DIODE-ZENER;MTZ5.6B,5.6V,5.45-5.73V,500m	
IC901	AA13-30013H	IC-MCU;-,SDA30C264,8BIT,MQFP64-1,CX72	

Loc	Part-No	Description & Specification	Remarks
IC902	1103-001043	IC-EEPROM;24C16,2Kx8BIT,DIP,8P,300MIL,10	
IC903	1102-001010	IC-EPROM;27C040,512Kx8BIT,DIP,32P,600MI	
IC905	1001-001038	IC-ANALOG SWITCH;SAA1300,-,SOT-142,9P,-,	
ICT01	1204-001160	IC-HOR./VER.PROCESSO;SDA5273P,PLCC,68P,2	
ICT02	1105-001140	IC-DRAM;44C1004,1Mx4BIT,SOP,20P,300MIL	
L901	2701-000115	INDUCTOR-AXIAL;10uH,10%,2.8x7mm	
L902	2701-000115	INDUCTOR-AXIAL;10uH,10%,2.8x7mm	
L903	2701-000115	INDUCTOR-AXIAL;10uH,10%,2.8x7mm	
Q901	0501-000727	TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,	
Q902	0501-000727	TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,	
Q903	0501-000727	TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,	
Q904	0501-000727	TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,	
QT01	0501-000727	TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,	
R901	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R902	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R903	2007-000653	R-CHIP;27KOHM,5%,1/10W,DA,TP,2012	
R904	2007-000653	R-CHIP;27KOHM,5%,1/10W,DA,TP,2012	
R905	2007-001177	R-CHIP;8.2KOHM,5%,1/10W,DA,TP,2012	
R906	2007-001177	R-CHIP;8.2KOHM,5%,1/10W,DA,TP,2012	
R907	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R908	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R909	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R910	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R911	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R912	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R913	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R914	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R915	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R916	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R917	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R919	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R920	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R921	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R922	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R923	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R924	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R925	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R926	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R927	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R928	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R929	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R930	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R931	2007-000653	R-CHIP;27KOHM,5%,1/10W,DA,TP,2012	
R933	2007-001177	R-CHIP;8.2KOHM,5%,1/10W,DA,TP,2012	
R935	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R936	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R938	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R950	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R951	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R952	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R953	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
R954	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R955	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R956	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R957	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
R958	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R960	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R961	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R963	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R964	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
RT01	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
RT02	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
RT03	2007-000710	R-CHIP;3.9KOHM,5%,1/10W,DA,TP,2012	
RT04	2007-000710	R-CHIP;3.9KOHM,5%,1/10W,DA,TP,2012	
RT05	2007-000710	R-CHIP;3.9KOHM,5%,1/10W,DA,TP,2012	
RT06	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
RT07	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
RT08	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RT09	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RT11	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
RT12	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
RT13	2007-000774	R-CHIP;33KOHM,5%,1/10W,DA,TP,2012	
RT14	2007-001118	R-CHIP;680OHM,5%,1/10W,DA,TP,2012	
RT15	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
RT16	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
RT17	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
X901	2801-001476	CRYSTAL-UNIT;12.0MHz,50ppm,28-ABQ,S,30oh	
XT01	2802-000121	RESONATOR-CERAMIC;20.48MHz,0.5%,TP,10.0x	
		ASSY-PCB,A/V SIDE	
*	AA95-90033(	ASSY-PCB,A/V SIDE;-,CS767AHTR,SCT53A,PAL	
C701	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
C702	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
C703	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
C704	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
C708	2202-000231	C-CERAMIC,MLC-AXIAL;330pF,10%,50V,Y5P,TP	
C709	2202-000231	C-CERAMIC,MLC-AXIAL;330pF,10%,50V,Y5P,TP	
C710	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
C711	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
C713	2202-000231	C-CERAMIC,MLC-AXIAL;330pF,10%,50V,Y5P,TP	
C714	2202-000231	C-CERAMIC,MLC-AXIAL;330pF,10%,50V,Y5P,TP	
CN701	AA39-20067[	LEAD CONNECTOR-ASSY;-,YBNH025-10,67096-0	
DZ701	0403-000654	DIODE-ZENER;MTZ12B,12V,11.44-12.03V,500m	
DZ702	0403-000654	DIODE-ZENER;MTZ12B,12V,11.44-12.03V,500m	
DZ704	0403-000654	DIODE-ZENER;MTZ12B,12V,11.44-12.03V,500m	
DZ705	0403-000654	DIODE-ZENER;MTZ12B,12V,11.44-12.03V,500m	
JA701	3722-000143	JACK-PHONE;1P(VER),3.4mm,AG,BLK,NO	
JA702	3722-001163	JACK-VHS;11P,12mm,AU,BLK,N	
JA703	3722-001031	JACK-RCA;3P,3.6MM,#18,AU	
L701	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L702	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L703	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L704	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
R701	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R702	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R703	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R704	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
		ASSY-PCB,POWER S/W	
*	AA95-90033I	ASSY-PCB,POWER S/W;-,CS767AHTR,SCT53A,PA	
CN	AA39-20010I	LEAD-CONNECTOR,ASSY;-,YFH800-01,S,1P,700	
CN	AA39-20176/	LEAD CONNECTOR-ASSY;-,YFH800-03,S,3(2)P,	
CN	AA39-20567/	LEAD CONNECTOR-ASSY;-,TUBE,7PHI,-,25MM,-	
CN801	AA39-20069/	LEAD-CONNECTOR,ASSY;-,YBNH025-05,67096-0	
CPS01	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
D801V	1405-000187	VARISTOR;750V,1250A,12.5x7mm,TP	
DPS01	AA96-30001I	ASSY-LED,GUIDE;-,AA61-50055A,DL-G5RGA,-	
F802M	3601-000461	FUSE-FERRULE;250V,6.3A,TIME-LAG,CERAMIC,	
F802M	3602-000114	FUSE-HOLDER;-,-,30mohm	
F802M	3602-000114	FUSE-HOLDER;-,-,30mohm	
H-PCB	AA61-20208/	HOLDER-PCB,SUB;-,2955,HIPS,HB,BLK,-	
HC02	AA59-60001(	MODULE-REMOCON;-,ORC-50VF/SR-12V,38KHz,9	

Loc	Part-No	Description & Specification	Remarks
R801M	2002-001011	R-COMPOSITION;3.3Mohm,10%,1/2W,AA,TP,3.7	
RPS01	2001-001114	R-CARBON(S);270OHM,5%,1/2W,AA,TP,2.4X6.4	
RPS02	2001-001114	R-CARBON(S);270OHM,5%,1/2W,AA,TP,2.4X6.4	
RPS03	2001-000020	R-CARBON(S);22OHM,5%,1/2W,AA,TP,2.4X6.4M	
RPS04	2001-001108	R-CARBON(S);22KOHM,5%,1/2W,AA,TP,2.4X6.4	
SG801	AA47-20001A	SPARK-GAP;-,ICE60,6.1MM,KS,EU,BK	
SWP02	3403-000179	SWITCH-PUSH;250V,5A,DPST,-,JPW-2104B	
WIRE	AA65-30105A	CLAMP-WIRE;NYLON 66,V2,NTR,15MM,ALL MODE	
		ASSY-PCB,SNAP-IN	
*	AA95-90033C	ASSY-PCB,SNAP-IN;-,CS767AHTR,SCT53A,PAL,	
CNB12	AA39-20052C	LEAD-CONNECTOR,ASSY;-,YBNH025-04,YSH025-	
RC01	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	
RC02	2001-000258	R-CARBON;1.8KOHM,5%,1/8W,AA,TP,1.8X3.2M	
RC03	2001-000331	R-CARBON;12KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
RC04	2001-000890	R-CARBON;6.8KOHM,5%,1/8W,AA,TP,1.8X3.2M	
RC05	2001-000563	R-CARBON;27KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
SWC01	3404-000176	SWITCH-TACT;12V,50mA,90-150gf,6x6mm,SPST	
SWC02	3404-000176	SWITCH-TACT;12V,50mA,90-150gf,6x6mm,SPST	
SWC03	3404-000176	SWITCH-TACT;12V,50mA,90-150gf,6x6mm,SPST	
SWC04	3404-000176	SWITCH-TACT;12V,50mA,90-150gf,6x6mm,SPST	
SWC05	3404-000176	SWITCH-TACT;12V,50mA,90-150gf,6x6mm,SPST	
SWC06	3404-000176	SWITCH-TACT;12V,50mA,90-150gf,6x6mm,SPST	
SWC07	3404-000176	SWITCH-TACT;12V,50mA,90-150gf,6x6mm,SPST	
		ASSY-DRAWER	
*	AA91-20064A	ASSY-DRAWER;-,-,SCT53A ML,767A	
		ASSY-FEATURE BOX	
*	AA95-90037E	ASSY-FEATURE BOX;-,CX724AHD,SCT53A,100Hz	
C200G	2203-000578	C-CERAMIC,CHIP;220nF,20%,50V,Y5V,TP,3216	
C201	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C202	2201-000573	C-CERAMIC,DISC;47pF,5%,50V,CH,TP,6.5x3.0	
C203	2203-000683	C-CERAMIC,CHIP;27pF,5%,50V,NPO,TP,2012,-	
C204	2203-000683	C-CERAMIC,CHIP;27pF,5%,50V,NPO,TP,2012,-	
C205	2203-000683	C-CERAMIC,CHIP;27pF,5%,50V,NPO,TP,2012,-	
C206	2203-000683	C-CERAMIC,CHIP;27pF,5%,50V,NPO,TP,2012,-	
C207	2203-000578	C-CERAMIC,CHIP;220nF,20%,50V,Y5V,TP,3216	
C208	2203-000578	C-CERAMIC,CHIP;220nF,20%,50V,Y5V,TP,3216	
C209	2203-000578	C-CERAMIC,CHIP;220nF,20%,50V,Y5V,TP,3216	
C211	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C212	2401-000027	C-AL;4.7uF,20%,50V,GP,TP,5x11,5	
C213	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C214	2401-000027	C-AL;4.7uF,20%,50V,GP,TP,5x11,5	
C215	2203-001172	C-CERAMIC,CHIP;6pF,0.25pF,50V,NPO,TP,201	
C216	2203-001172	C-CERAMIC,CHIP;6pF,0.25pF,50V,NPO,TP,201	
C217	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
C218	2203-000753	C-CERAMIC,CHIP;330nF,+80-20%,50V,Y5V,TP,	
C219	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C21A	2401-001496	C-AL;47uF,20%,16V,GP,TP,5x7,5	
C21B	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C21C	2401-001496	C-AL;47uF,20%,16V,GP,TP,5x7,5	
C21D	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C21H	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C21I	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
C220	2401-001496	C-AL;47uF,20%,16V,GP,TP,5x7,5	
C221	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C222	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
C223	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C224	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
C225	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
C226	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C227	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
C228	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C229	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
C230	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C233	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C234	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
C236	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
C237	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,	
C238	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
C239	2203-000753	C-CERAMIC,CHIP;330nF,+80-20%,50V,Y5V,TP,	
C243	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C244	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C245	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C246	2401-002594	C-AL;220uF,20%,16V,GP,TP,8x11.5,5	
C247	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C248	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C249	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C250	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C251	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C252	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C253	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C254	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C255	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C256	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C257	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C258	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C259	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C260	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C262	2401-002594	C-AL;220uF,20%,16V,GP,TP,8x11.5,5	
C263	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C264	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C265	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C266	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C267	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C268	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C269	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C270	2401-002594	C-AL;220uF,20%,16V,GP,TP,8x11.5,5	
C271	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C272	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C273	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
C274	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C275	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C276	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C277	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C278	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C279	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C280	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C281	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C282	2203-000239	C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,2012,	
C283	2203-000142	C-CERAMIC,CHIP;1.5nF,10%,50V,X7R,TP,2012	
C286	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
C287	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
C288	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C289	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
C290	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
C291	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
C292	2203-000683	C-CERAMIC,CHIP;27pF,5%,50V,NPO,TP,2012,-	
C293	2203-000683	C-CERAMIC,CHIP;27pF,5%,50V,NPO,TP,2012,-	
C294	2203-000142	C-CERAMIC,CHIP;1.5nF,10%,50V,X7R,TP,2012	

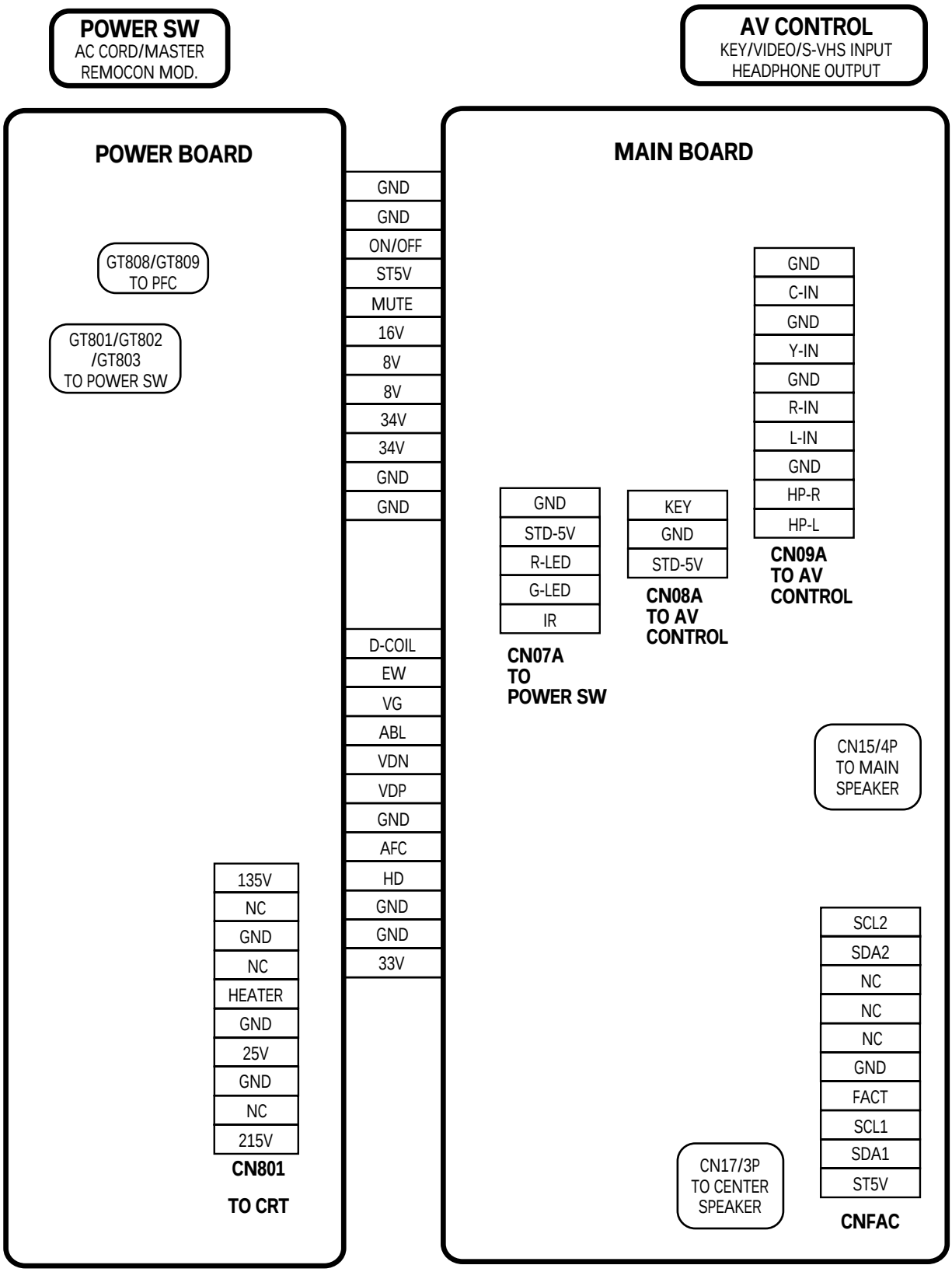
Loc	Part-No	Description & Specification	Remarks
C295	2203-000239	C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,2012,	
C296	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C297	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C298	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C299	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C401	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C402	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C404	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C405	2203-001002	C-CERAMIC,CHIP;47pF,5%,50V,NPO,TP,2012,-	
C406	2203-001002	C-CERAMIC,CHIP;47pF,5%,50V,NPO,TP,2012,-	
C407	2203-001002	C-CERAMIC,CHIP;47pF,5%,50V,NPO,TP,2012,-	
C408	2203-001002	C-CERAMIC,CHIP;47pF,5%,50V,NPO,TP,2012,-	
C409	2203-000938	C-CERAMIC,CHIP;470pF,5%,50V,NPO,TP,2012,	
C410	2203-000938	C-CERAMIC,CHIP;470pF,5%,50V,NPO,TP,2012,	
C411	2203-001002	C-CERAMIC,CHIP;47pF,5%,50V,NPO,TP,2012,-	
C412	2203-000239	C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,2012,	
C413	2203-000239	C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,2012,	
C414	2203-000239	C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,2012,	
C415	2203-001002	C-CERAMIC,CHIP;47pF,5%,50V,NPO,TP,2012,-	
C416	2203-001002	C-CERAMIC,CHIP;47pF,5%,50V,NPO,TP,2012,-	
C418	2401-000914	C-AL;22uF,20%,16V,GP,TP,5x11,5	
C419	2203-001002	C-CERAMIC,CHIP;47pF,5%,50V,NPO,TP,2012,-	
C420	2203-000784	C-CERAMIC,CHIP;330pF,5%,50V,NPO,TP,2012,	
C423	2201-000949	C-CERAMIC,DISC;5pF,0.5pF,50V,U2J,TP,4x3.	
CF01	2203-000555	C-CERAMIC,CHIP;20pF,5%,50V,NPO,TP,2012,-	
CF02	2203-000555	C-CERAMIC,CHIP;20pF,5%,50V,NPO,TP,2012,-	
CF03	2203-000555	C-CERAMIC,CHIP;20pF,5%,50V,NPO,TP,2012,-	
CF04	2203-000595	C-CERAMIC,CHIP;220pF,5%,50V,NPO,TP,2012,	
CF05	2203-000661	C-CERAMIC,CHIP;270pF,5%,50V,NPO,TP,2012,	
CF06	2203-000938	C-CERAMIC,CHIP;470pF,5%,50V,NPO,TP,2012,	
CF07	2203-000595	C-CERAMIC,CHIP;220pF,5%,50V,NPO,TP,2012,	
CF08	2203-000661	C-CERAMIC,CHIP;270pF,5%,50V,NPO,TP,2012,	
CF09	2203-000938	C-CERAMIC,CHIP;470pF,5%,50V,NPO,TP,2012,	
CN203	3711-002709	CONNECTOR-HEADER;NOWALL,12P,1R,2.5MM,ANG	
CN205	3711-003543	CONNECTOR-HEADER;NOWALL,16P,1R,2.54MM,AN	
CN206	3711-002708	CONNECTOR-HEADER;NOWALL,10P,1R,2.5mm,ANG	
D201	0403-000666	DIODE-ZENER;MTZ5.1A,5.1V,4.81-5.07V,500m	
D202	0401-000005	DIODE-SWITCHING;1N4148,75V,200MA,DO-35,T	
D203	0401-000005	DIODE-SWITCHING;1N4148,75V,200MA,DO-35,T	
D204	0403-000666	DIODE-ZENER;MTZ5.1A,5.1V,4.81-5.07V,500m	
D205	0403-000666	DIODE-ZENER;MTZ5.1A,5.1V,4.81-5.07V,500m	
D206	0403-000689	DIODE-ZENER;DTZ5.1A,5.1V,4.84-5.04V,200m	
D207	0403-000689	DIODE-ZENER;DTZ5.1A,5.1V,4.84-5.04V,200m	
D208	0401-000005	DIODE-SWITCHING;1N4148,75V,200MA,DO-35,T	
IC201	1205-001172	IC-INTERFACE;CIP3250A,PLCC,68P,24.2MIL,P	
IC202	1204-001362	IC-VIDEO PROCESS;VPC3215C,PLCC,43P,-,PLA	
IC203	1203-000346	IC-VOL. SUPERVISORY;7705,SOP,8P,150MIL,P	
IC204	1002-001045	IC-D/A CONVERTER;9280,8BIT,PLCC,68P,-,-,	
IC206	1204-001188	IC-VERTICAL PROCESSO;SDA9272,QFP,208P,28	
IC207	1105-001071	IC-DRAM;9253,212x64BIT,QFP,64P,17.2MIL	
IC208	1105-001071	IC-DRAM;9253,212x64BIT,QFP,64P,17.2MIL	
IC209	1204-001189	IC-HOR./VER.PROCESSO;SDA9362,QFP,44P,-,P	
IC210	0803-000123	IC-TTL;74F125,BUFFER,SOP,14P,150MIL,Q	
IC211	0803-003015	IC-TTL;74F541,BUFFER,SOP,20P,300MIL,O	
IC212	0803-000123	IC-TTL;74F125,BUFFER,SOP,14P,150MIL,Q	
L202	2701-000142	INDUCTOR-AXIAL;1uH,10%,2.5x3.4mm	
L203	2701-000142	INDUCTOR-AXIAL;1uH,10%,2.5x3.4mm	
L204	2701-000142	INDUCTOR-AXIAL;1uH,10%,2.5x3.4mm	
L205	2701-000142	INDUCTOR-AXIAL;1uH,10%,2.5x3.4mm	
L206	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
L207	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
L208	2701-000115	INDUCTOR-AXIAL;10uH,10%,2.8x7mm	
L210	2701-000146	INDUCTOR-AXIAL;2.2uH,10%,2.5x3.4mm	
L211	2701-000115	INDUCTOR-AXIAL;10uH,10%,2.8x7mm	
L212	2701-000115	INDUCTOR-AXIAL;10uH,10%,2.8x7mm	
L214	2701-000116	INDUCTOR-AXIAL;10uH,10%,4.2x9.8mm	
L215	2701-000116	INDUCTOR-AXIAL;10uH,10%,4.2x9.8mm	
L216	2701-000115	INDUCTOR-AXIAL;10uH,10%,2.8x7mm	
L217	2701-000115	INDUCTOR-AXIAL;10uH,10%,2.8x7mm	
L218	2701-000115	INDUCTOR-AXIAL;10uH,10%,2.8x7mm	
L220	2701-000115	INDUCTOR-AXIAL;10uH,10%,2.8x7mm	
L223	2701-000115	INDUCTOR-AXIAL;10uH,10%,2.8x7mm	
L224	2701-000115	INDUCTOR-AXIAL;10uH,10%,2.8x7mm	
L225	2701-000115	INDUCTOR-AXIAL;10uH,10%,2.8x7mm	
L230	2701-000115	INDUCTOR-AXIAL;10uH,10%,2.8x7mm	
L232	2701-000146	INDUCTOR-AXIAL;2.2uH,10%,2.5x3.4mm	
L233	2701-000146	INDUCTOR-AXIAL;2.2uH,10%,2.5x3.4mm	
L234	2701-000146	INDUCTOR-AXIAL;2.2uH,10%,2.5x3.4mm	
L235	2701-000146	INDUCTOR-AXIAL;2.2uH,10%,2.5x3.4mm	
L236	2701-000146	INDUCTOR-AXIAL;2.2uH,10%,2.5x3.4mm	
L237	2701-000115	INDUCTOR-AXIAL;10uH,10%,2.8x7mm	
L239	2701-000146	INDUCTOR-AXIAL;2.2uH,10%,2.5x3.4mm	
LF01	2701-000146	INDUCTOR-AXIAL;2.2uH,10%,2.5x3.4mm	
LF02	2701-000146	INDUCTOR-AXIAL;2.2uH,10%,2.5x3.4mm	
Q201	0501-000283	TR-SMALL SIGNAL;KSA539,PNP,400mW,TO-92,T	
Q203	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
R212	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
R213	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
R215	2007-000380	R-CHIP;13KOHM,5%,1/10W,DA,TP,2012	
R216	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R217	2007-000401	R-CHIP;150OHM,5%,1/10W,DA,TP,2012	
R218	2007-000401	R-CHIP;150OHM,5%,1/10W,DA,TP,2012	
R219	2007-000401	R-CHIP;150OHM,5%,1/10W,DA,TP,2012	
R220	2007-000401	R-CHIP;150OHM,5%,1/10W,DA,TP,2012	
R221	2007-000267	R-CHIP;1.8KOHM,5%,1/10W,DA,TP,2012	
R222	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R223	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R224	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R225	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R226	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R227	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R228	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R229	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R230	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R231	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R232	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R234	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R235	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R236	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R237	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R238	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R240	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R242	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R266	2007-000409	R-CHIP;15KOHM,5%,1/10W,DA,TP,2012	
R267	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R268	2007-000593	R-CHIP;22OHM,5%,1/10W,DA,TP,2012	
R269	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R281	2007-000001	R-CHIP;68KOHM,5%,1/10W,DA,TP,2012	
R282	2001-000016	R-CARBON(S);1OHM,5%,1/2W,AA,TP,2.4X6.4MM	
R283	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R284	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R285	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R286	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R287	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
R288	2007-000822	R-CHIP;390OHM,5%,1/10W,DA,TP,2012	
R289	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	

Loc	Part-No	Description & Specification	Remarks
R290	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R291	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R292	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R293	2007-000355	R-CHIP;12KOHM,5%,1/10W,DA,TP,2012	
R294	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R295	2007-000267	R-CHIP;1.8KOHM,5%,1/10W,DA,TP,2012	
R296	2007-000518	R-CHIP;2.7KOHM,5%,1/10W,DA,TP,2012	
R297	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R298	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R299	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R400	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R401	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R402	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R403	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R410	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R411	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R412	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R413	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R414	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R415	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R416	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R417	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R436	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R437	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R438	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R439	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R440	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R441	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R443	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R444	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R446	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R447	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R449	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R450	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R451	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R452	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R453	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R454	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R455	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R456	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R457	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RF01	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
RF02	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RF03	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
RF04	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
X201	2801-003432	CRYSTAL-UNIT;20.25MHz,30ppm,28-AAA,13pF,	
X202	2801-003433	CRYSTAL-UNIT;12MHz,30ppm,28-AAA,30pF,30o	
		ASSY-POWER,CORD	
*	AA96-20109A	ASSY-POWER,CORD;-,CP2/NO(4.0),H/C400,KKP	
P-COR	AA39-10006J	POWER-CORD;-,KKP419C,KLCE-2F,2.286MT,3P,	
HOLDE	AA61-20284A	HOLDER;-,P-CORD,PP,VO,BLK,KE-002	
		REMOCON	
*	AA59-10103H	REMOCON;-,TM49,SS,RM767C5,47,EX,-,L/GR	
		ASSY-HOLDER,SPK	
*	AA91-60286A	ASSY-HOLDER,SPK;-,MPP,HB,IMPACT PORT,8oh	
		ASSY-TERMINAL,BOARD	

Loc	Part-No	Description & Specification	Remarks
*	AA91-80058E	ASSY-TERMINAL,BOARD;-,-,-,-,SCT53A,764AH	
TER/B	AA63-40256A	TERMINAL-BOARD;-,HIPS,V0 BLK,764A,-	
IN-BA	AA64-60400A	INLAY-BACK;764AHA,-,PS,T0.5,BLK,-,-	
		ASSY-CABINET	
*	AA91-10347C	ASSY-CABINET,FRONT;-,767A,DG703 RUS NEW	
CF+AV	6002-000514	SCREW-TAPPING;RH,+,2,M4,L15,ZPC(BLK),SWR	
CF+DE	6003-000333	SCREW-TAPTITE;RH,+,2S,M3,L10,ZPC(YEL),SW	
SCRE\	6003-001023	SCREW-TAPTITE;RWH,+,B,M3,L10,ZPC(YEL),SW	
DOME	AA60-10050A	SCREW-ASSY;WP,RH,+,M4,L25,SWRCH18A,-,ZPC	
CF+CF	AA60-10050F	SCREW-ASSY;WC,HH,+,M5,L31.5,SWRCH18A,ZPC	
CB+TE	AA60-10050T	SCREW-TAPPING;RH,+,2S,M4,L20,ZPC(BLK),SW	
CF+CE	AA60-10050T	SCREW-TAPPING;RH,+,2S,M4,L20,ZPC(BLK),SW	
TER+F	AA60-10050T	SCREW-TAPPING;RH,+,2S,M4,L20,ZPC(BLK),SW	
H/CHA	AA61-20207A	HOLDER-CHASSIS;-,2955,ABS,V0,GRY,-	
BOSS-	AA61-40010A	BOSS-WING;-,HIPS,HB,NTR,-,-	
SUPP(	AA61-40105A	SUPPORT-CRT;2956,HIPS,HB,NTR,-,-,-	
CABB/	AA63-60001J	SPACER-FELT;FELT,T0.5,BLK,330X15,-,-	
SP,GU	AA63-60004C	SPACER-GUM,CRT;NTR RUBBER,T3.0,GRY,-,-,-	
FRON	AA64-31108L	CABINET-FRONT;-,767A,DG703 CIS NEW ,HIPS	
BACK	AA64-31109E	CABINET-BACK;-,767A,-,HIPS,V2,BLK,-,-	
IN-AV	AA64-60423L	INLAY-AV;CS767A,SCT53A L/G,PS,T0.3,BLK,	
BADGI	AA64-70117E	BADGE-BRAND;AL,SS,SILVER,L65,R2000,-,-	
D-COI	AA65-30004A	CLAMP-D,COIL;NYLON-66,V0,WHT,25,29INCH,-	
C-COF	AA65-30008A	CLAMP-CORD;PE,HB,BLK,-,-,-	
		DECORATION-ASSY	
*	AA64-40471	DECORATION-ASSY;-,767A,DG703 RUSIA SCT53	
SPRIN	AA61-60005F	SPRING-CS;-,SUS304,0.6,OD12.2,H13,N4,-,-	
KNOP(	AA64-10711E	KNOB-POWER;-,767A,MS,PC,-,VIOLET	
DECOI	AA64-40457N	DECORATION-FRONT;-,767A,DG703 RUSIA SCT5	
WIN/R	AA64-40458A	WINDOW-REMOCON;-,307A,-,PC,VIOLET,-,-	
INDLE	AA64-40459A	INDICATOR-LED;-,307A,-,ABS,LG02431,-,-	

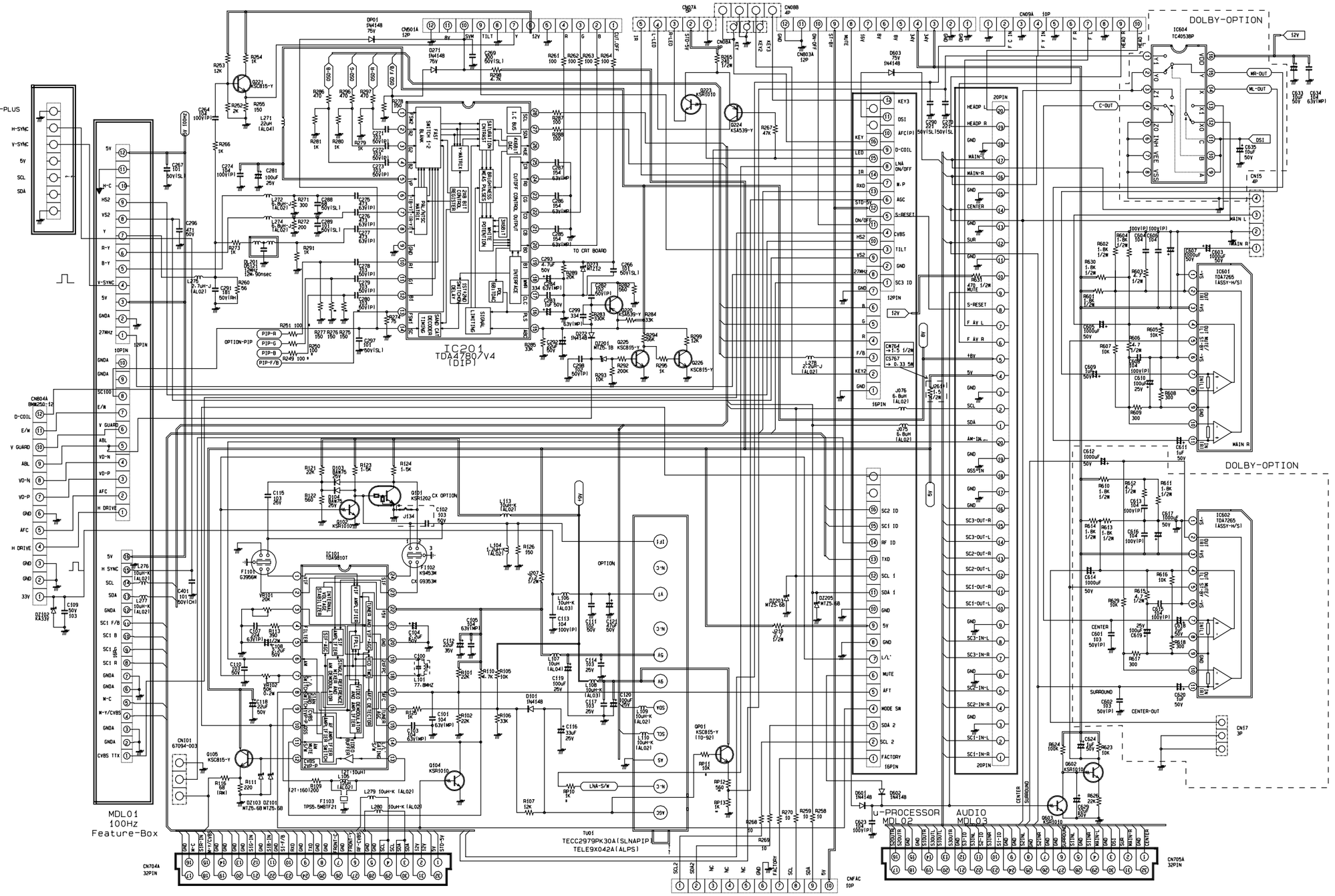
9. Wiring Diagram

9-1 SCT53A Wiring Diagram

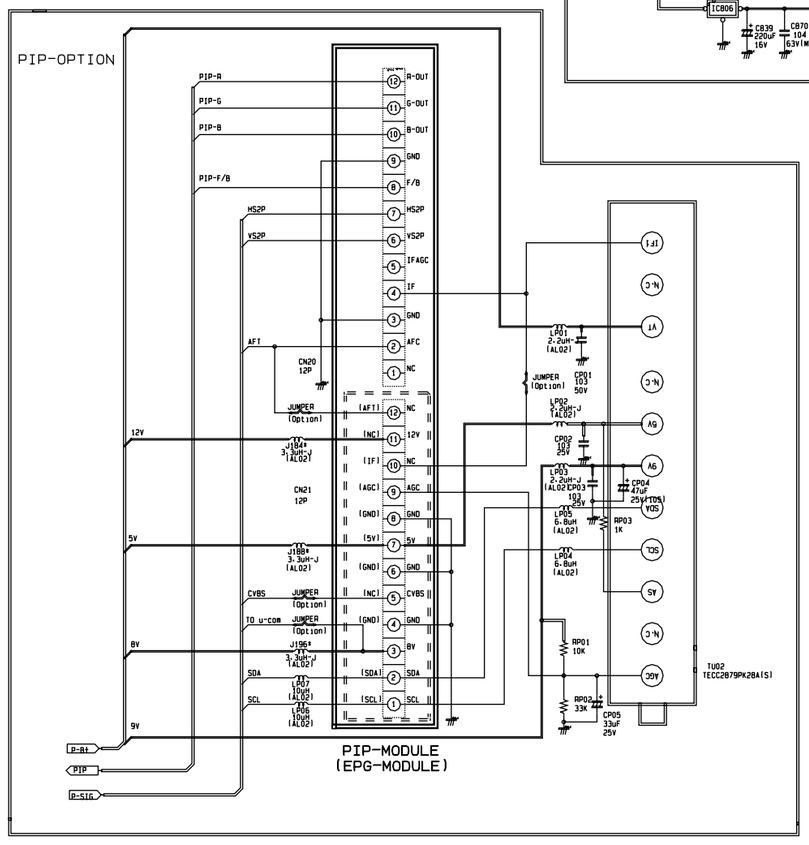


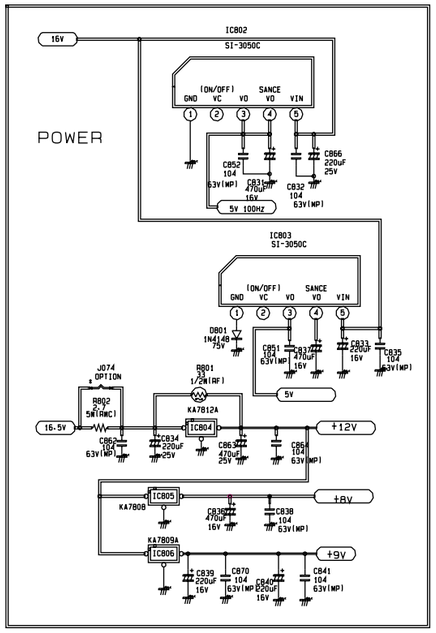
10. Schematic Diagrams

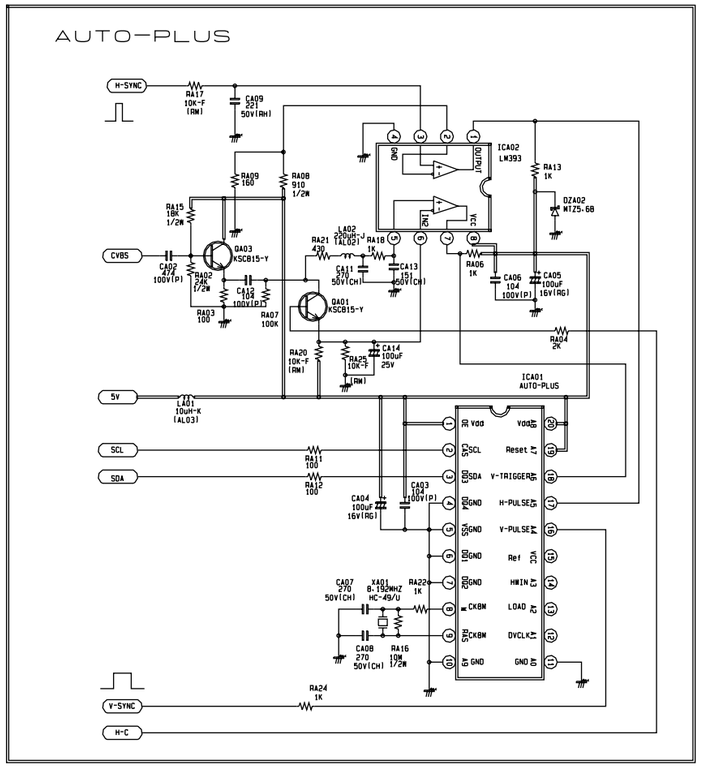
10-1 MAIN 1

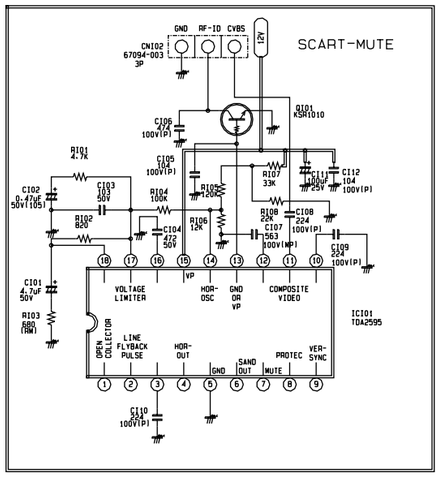


10-2 MAIN 2

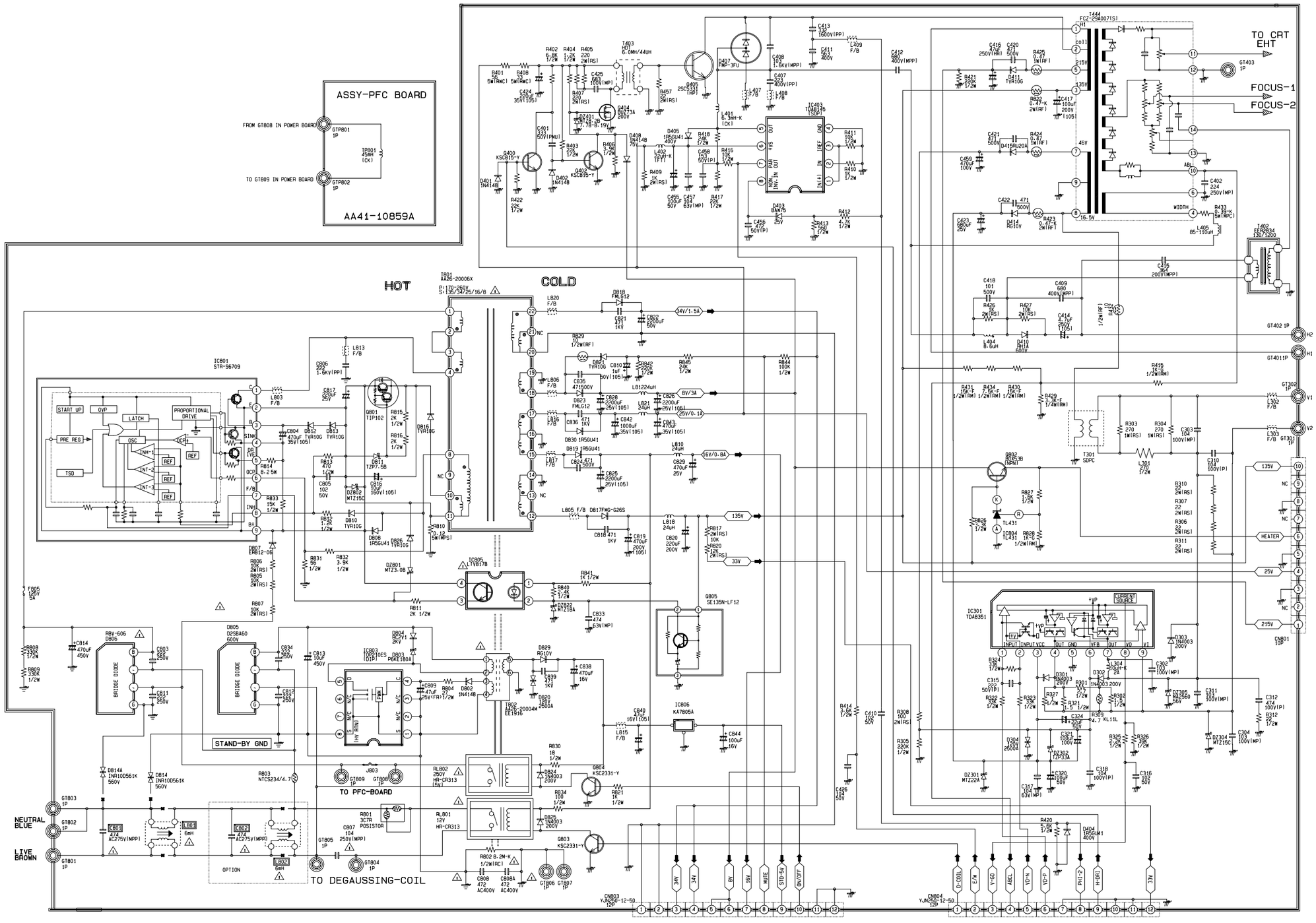




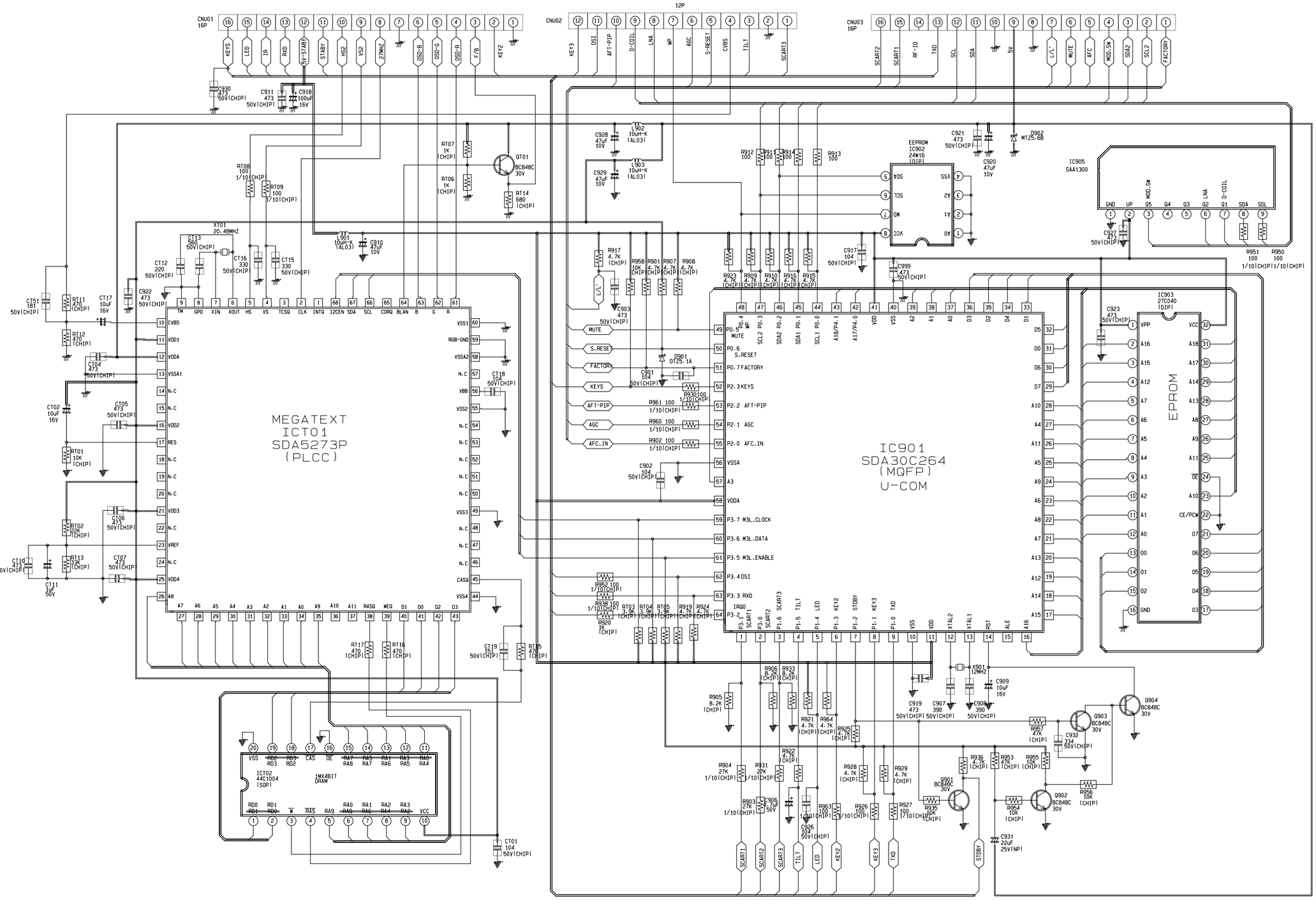




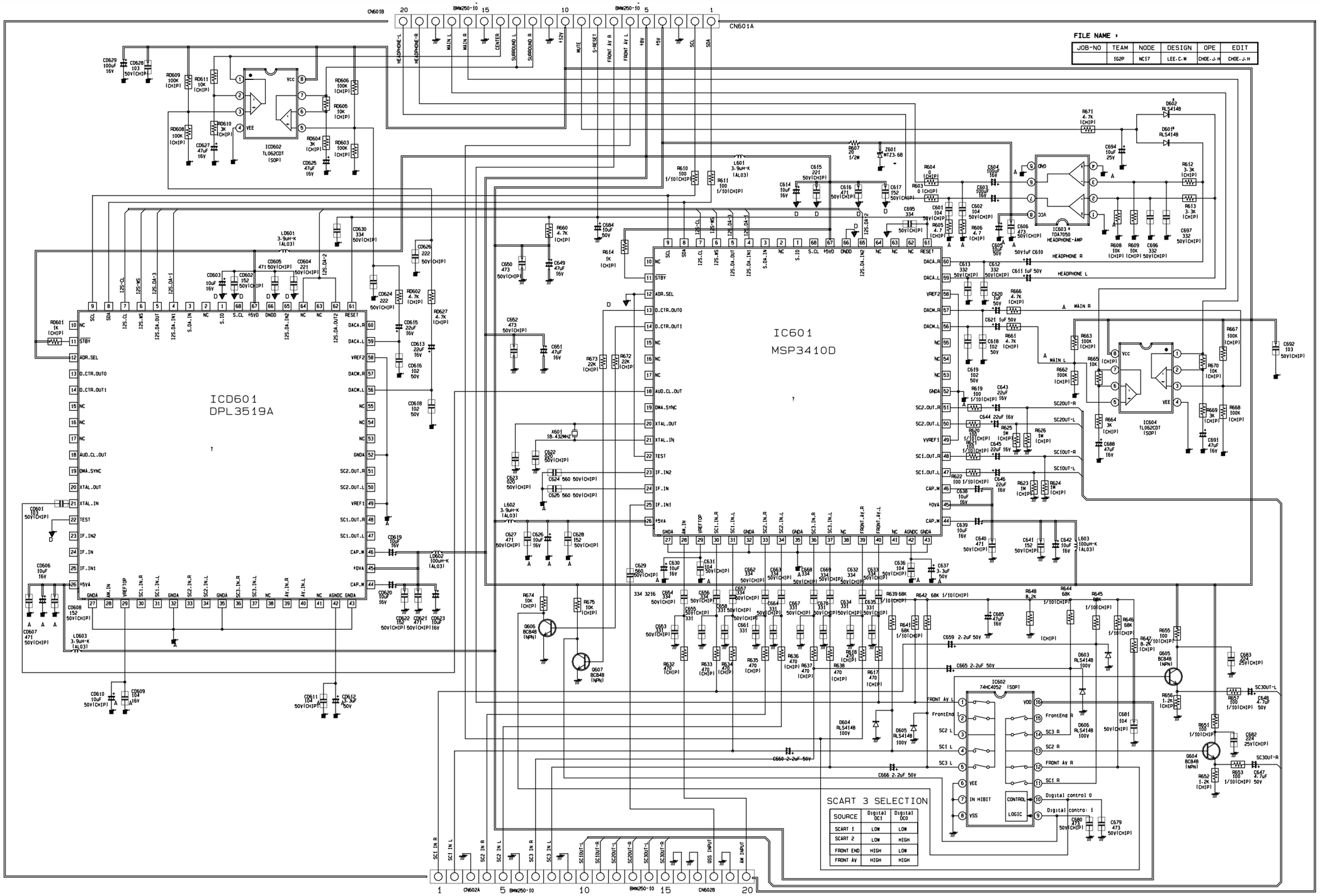
10-3 POWER & DEFLECTION



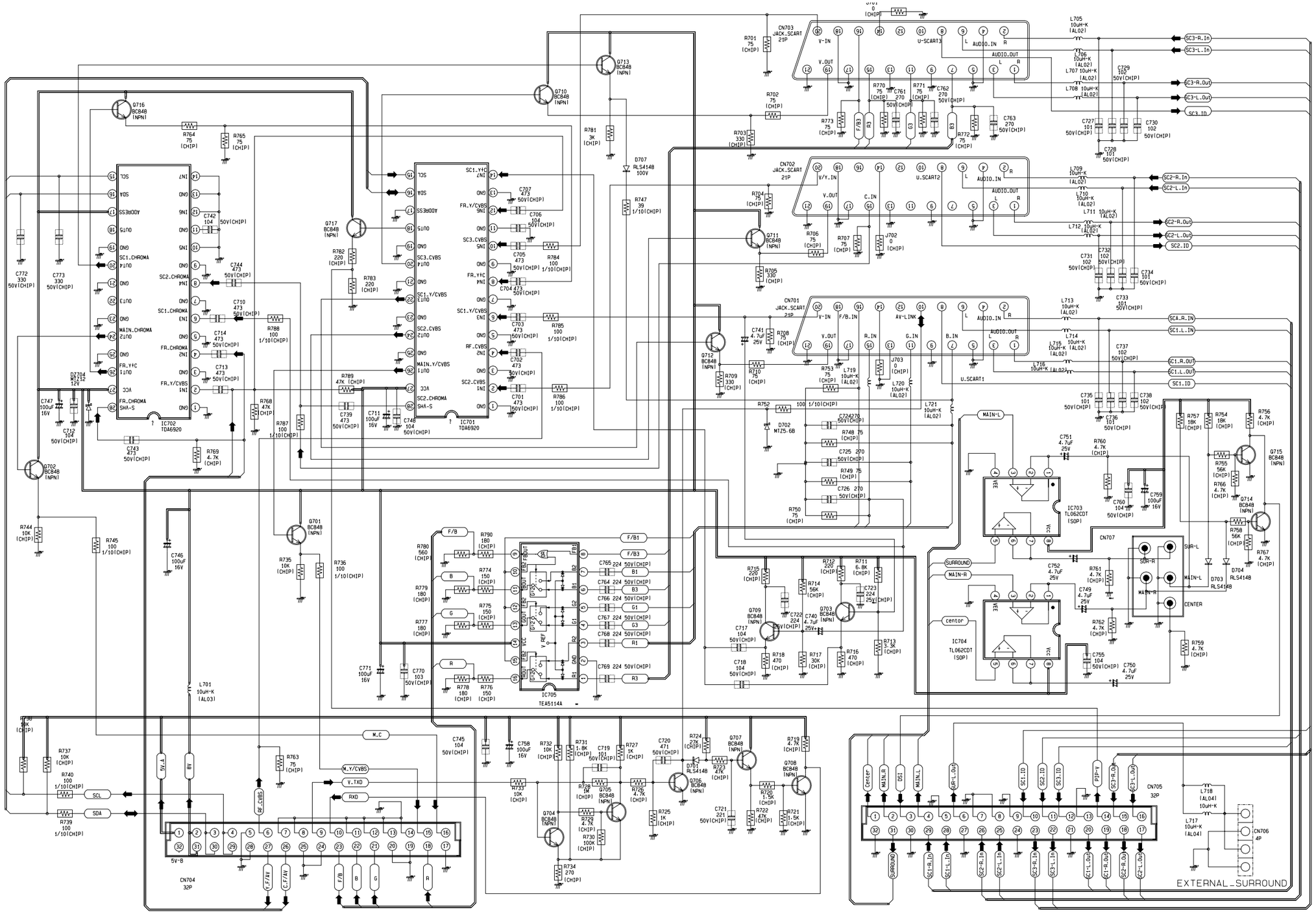
10-4 TTX, μ-COM


MEGATEXT
ICT01
SDA5273P
(PLCC)
IC901
SDA30C264
(MQFP)
U-COM
EEPROM
IC902
24W16
(DIP)
IC903
27C040
(DIP)
IC905
SAA1300
EPROM
IC102
44C1004
(SOP)
1MX4BIT
DRAM
XT01
20.48MHZ
MUTE
S.RESET
FACTORY
KEYS
AFT-PIP
AGC
AFC_IN
P3.7 M3L_CLOCK
P3.6 M3L_DATA
P3.5 M3L_ENABLE
P3.4 DSI
P3.3 RXD
SCART1
SCART2
SCART3
TILT
LED
KEY2
KEY3
TXD
STDBY

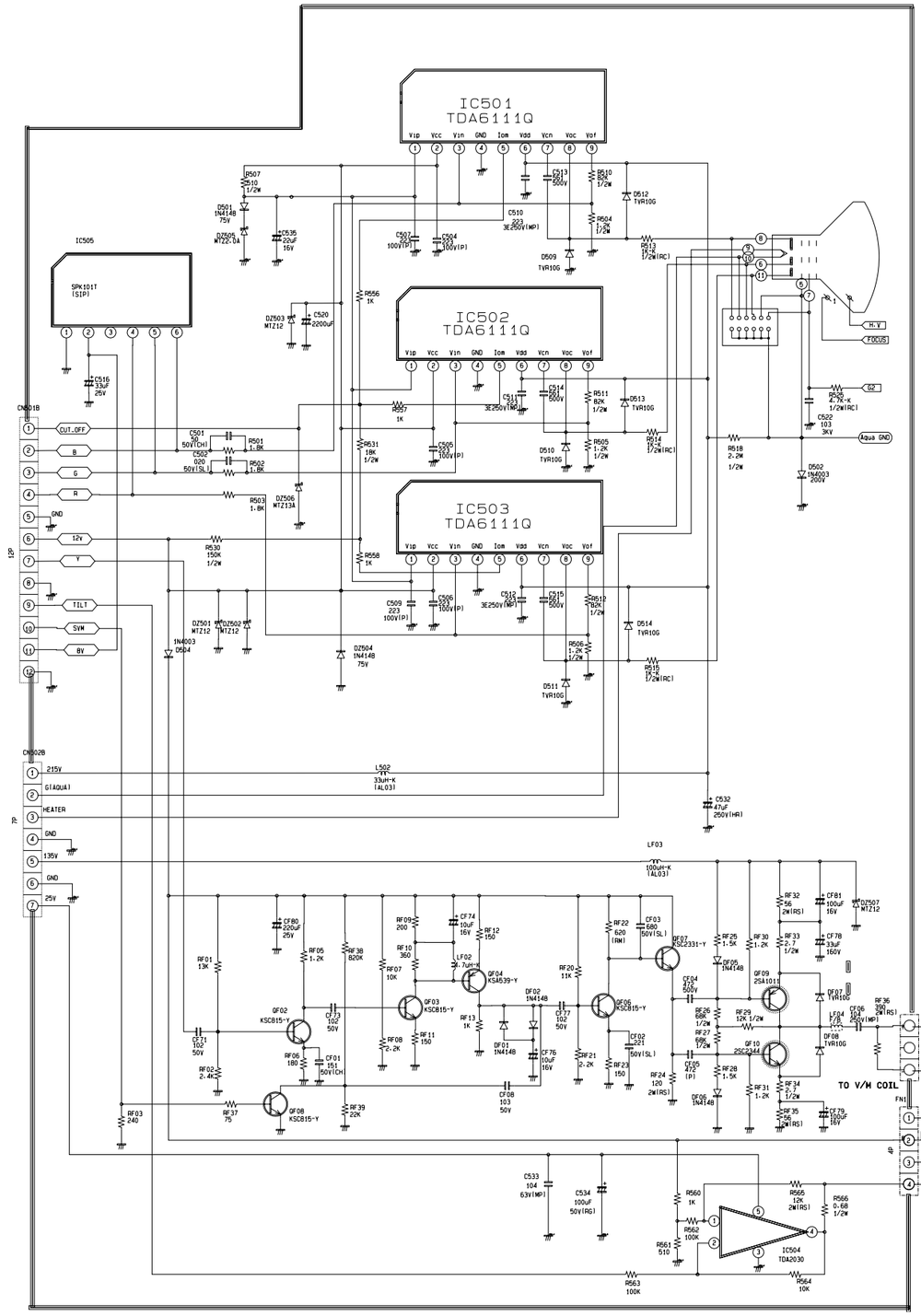
10-5 AUDIO MODULE

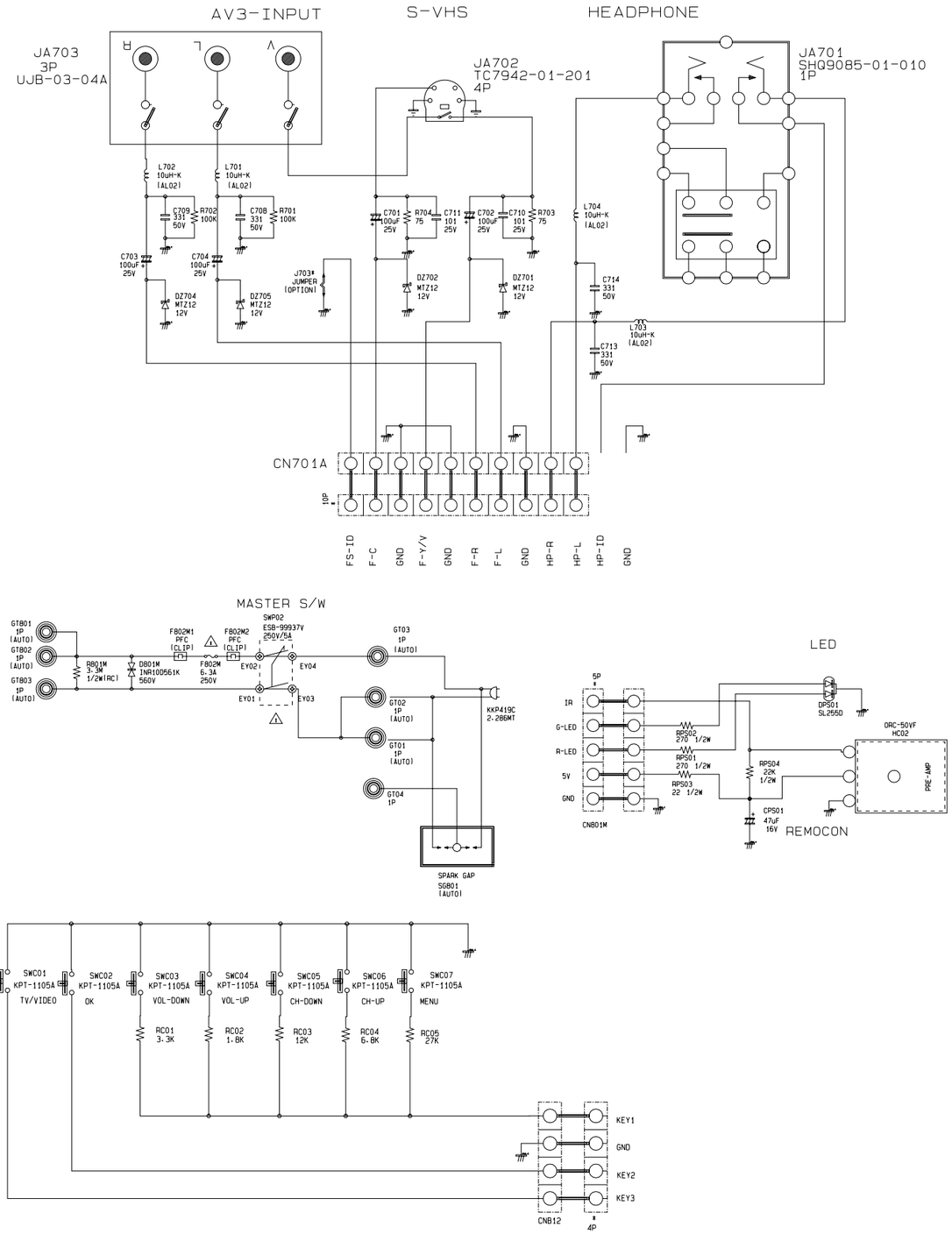


10-6 AV TERMINAL

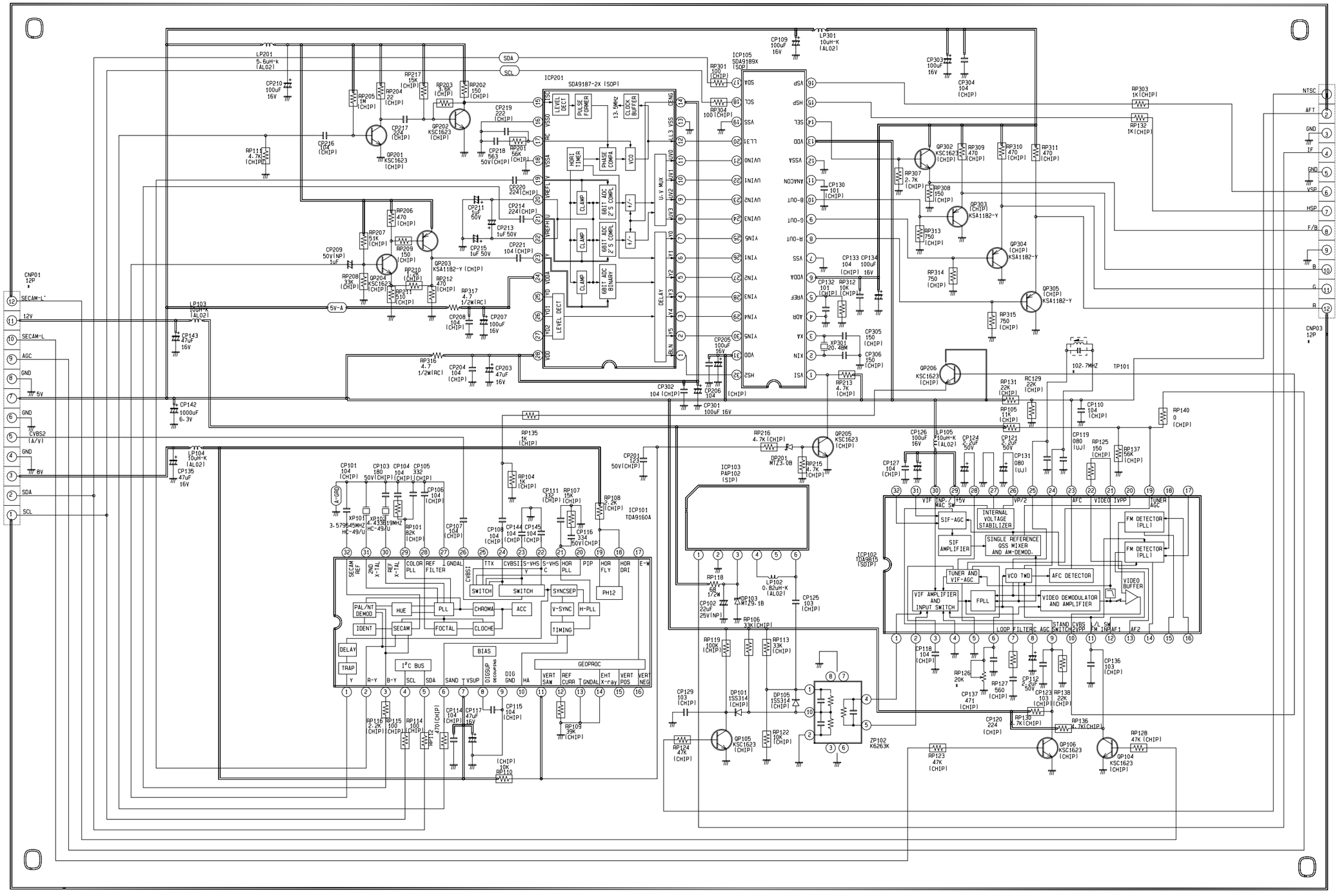


10-7 CRT-DRIVE, SIDE-A/V, POWER-S/W, SNAP-IN

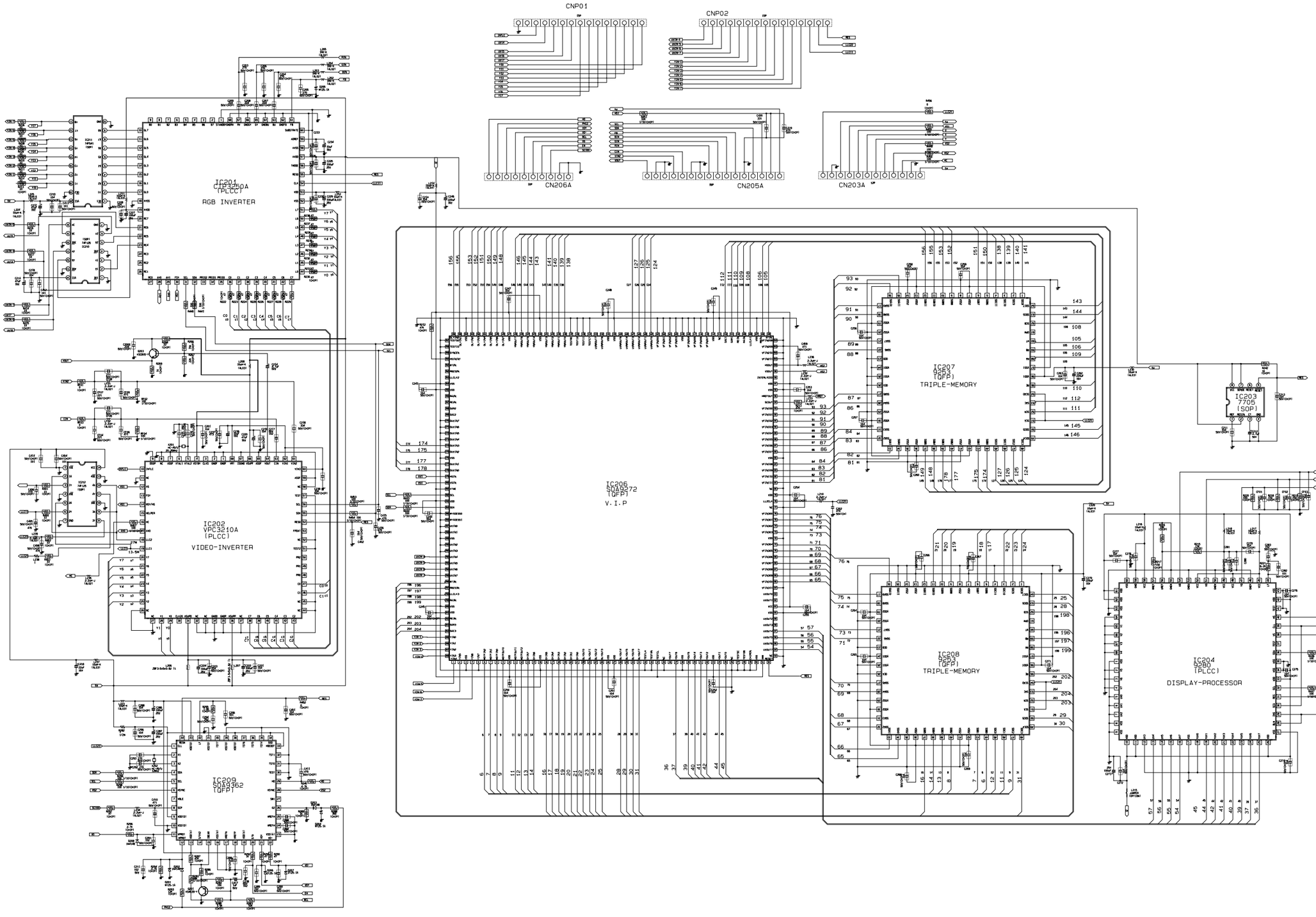




10-8 PIP


ICP201
SDA9187-2X (SOP)
ICP105
SDA9189X
(SOP)
ICP101
TDA9160A
ICP102
TDA9819
(SDIP)
ICP103
PAP102
(SIP)
SDA
SCL
CNP01
12P
CNP03
12P
SECAM-L'
12V
SECAM-L
AGC
GND
5V
GND
CVBS2
(A/V)
GND
8V
SDA
SCL
5V-A
LP201
5.6uH-k
(AL02)
LP301
10uH-K
(AL02)
LP103
100uH
(AL02)
LP104
10uH-K
(AL02)
LP105
10uH-K
(AL02)
LP102
0.82uH-K
(AL02)
TP101
102.7MHZ
XP301
20.48M
XP101
3.579545MHZ
HC-49/U
XP102
4.433619MHZ
HC-49/U
DP101
1SS314
(CHIP)
DP105
1SS314
(CHIP)
DP201
MTZ3.0B
DP103
MTZ9.1B
ZP102
K6263K
QP201
KSC1623
(CHIP)
QP202
KSC1623
(CHIP)
QP203
KSA1182-Y (CHIP)
QP204
KSC1623
(CHIP)
QP205
KSC1623
(CHIP)
QP206
KSC1623
(CHIP)
QP302
KSC1623
(CHIP)
QP303
(CHIP)
KSA1182-Y
QP304
(CHIP)
KSA1182-Y
QP305
(CHIP)
KSA1182-Y
QP105
KSC1623
(CHIP)
QP106
KSC1623
(CHIP)
QP104
KSC1623
(CHIP)
HORI. TIMER
PHASE COMPA
VCO
CLOCK BUFFER
LEVEL DECT
PULSE FORMER
CLAMP
6BIT ADC 2'S COMPL
6BIT ADC BINARY
U/V MUX
DELAY
SIF-AGC
INTERNAL VOLTAGE STABILIZER
SIF AMPLIFIER
SINGLE REFERENCE QSS MIXER AND AM-DEMOD.
FM DETECTOR (PLL)
FM DETECTOR (PLL)
TUNER AND VIF-AGC
VCO TWD
AFC DETECTOR
VIDEO BUFFER
VIF AMPLIFIER AND INPUT SWITCH
FPLL
VIDEO DEMODULATOR AND AMPLIFIER
SECAM REF
2ND X-TAL
REF X-TAL
COLOR PLL
REF FILTER
GNDAL
CVBS1
TTX
CVBSII
S-VHS Y
S-VHS C
HOR PLL
PIP
HOR FLY
HOR DRI
E-W
SWITCH
SWITCH
SYNCSEP
PH12
PAL/NT DEMOD
HUE
PLL
CHROMA
ACC
V-SYNC
H-PLL
IDENT
SECAM
FOCTAL
CLOCHE
TIMING
DELAY
TRAP
Y
R-Y
B-Y
I²C BUS
SCL
SDA
SAND
T VSUP
BIAS
DIGSUP DECOUPLING
DIG GND
HA
GEOPROC
VERT SAW
REF CURR
TGNDAL
EHT X-ray
VERT POS
VERT NEG
VIF
INP-2
MAC SW
+5V
VP/2
AFC
VIDEO IVPP
TUNER AGC
LOOP FILTER
C AGC
STAND SWITCH
CVBS 2VPP
FM IN
AF1
AF2
NTSC
AFT
GND
IF
GND
VSP
HSP
F/B
B
G
R
RP301 100 (CHIP)
RP303 1K(CHIP)
RP132 1K(CHIP)
RP304 100 (CHIP)
RP307 2.7K (CHIP)
RP308 150 (CHIP)
RP309 470 (CHIP)
RP310 470 (CHIP)
RP311 470 (CHIP)
RP313 750 (CHIP)
RP314 750 (CHIP)
RP315 750 (CHIP)
RP312 10K (CHIP)
RP213 4.7K (CHIP)
RP216 4.7K(CHIP)
RP215 4.7K (CHIP)
RP118 68 1/2W
RP106 33K(CHIP)
RP119 100K (CHIP)
RP113 33K (CHIP)
RP124 47K (CHIP)
RP122 10K (CHIP)
RP123 47K (CHIP)
RP128 47K (CHIP)
RP130 4.7K(CHIP)
RP136 4.7K(CHIP)
RP131 22K (CHIP)
RP105 11K (CHIP)
RP121 2.2uF 50V
RP125 150 (CHIP)
RP137 56K (CHIP)
RP140 0 (CHIP)
RP126 20K
RP127 560 (CHIP)
RP138 22K (CHIP)
RP112 2.2uF 50V
RP135 1K (CHIP)
RP104 1K (CHIP)
RP107 15K (CHIP)
RP108 2.2K (CHIP)
RP109 39K (CHIP)
RP110 10K (CHIP)
RP116 2.2K (CHIP)
RP115 100 (CHIP)
RP114 100 (CHIP)
RP117 470 1/2W
RP217 15K (CHIP)
RP203 2.2K (CHIP)
RP202 150 (CHIP)
RP205 1M (CHIP)
RP204 22 (CHIP)
RP201 56K (CHIP)
RP206 470 (CHIP)
RP207 51K (CHIP)
RP209 150 (CHIP)
RP208 33K (CHIP)
RP210 0 (CHIP)
RP211 510 (CHIP)
RP212 470 (CHIP)
RP317 4.7 1/2W(RC)
RP316 4.7 1/2W(RC)
RP111 4.7K (CHIP)
CP109 100uF 16V
CP303 100uF 16V
CP304 104 (CHIP)
CP130 101 (CHIP)
CP133 104 (CHIP)
CP134 100uF 16V
CP132 101 (CHIP)
CP305 150 (CHIP)
CP306 150 (CHIP)
CP205 100uF 16V
CP206 104 (CHIP)
CP302 104 (CHIP)
CP301 100uF 16V
CP210 100uF 16V
CP216 104 (CHIP)
CP217 224 (CHIP)
CP219 222 (CHIP)
CP218 563 50V(CHIP)
CP220 224(CHIP)
CP214 224(CHIP)
CP211 1uF 50V
CP213 1uF 50V
CP215 1uF 50V
CP221 104(CHIP)
CP209 50V(NP) 1uF
CP143 47uF 16V
CP142 1000uF 6.3V
CP135 47uF 16V
CP208 104 (CHIP)
CP207 100uF 16V
CP204 104 (CHIP)
CP203 47uF 16V
CP101 104 (CHIP)
CP103 180 50V(CHIP)
CP104 104 (CHIP)
CP105 332 (CHIP)
CP106 104 (CHIP)
CP107 104 (CHIP)
CP108 104 (CHIP)
CP144 104 (CHIP)
CP145 104 (CHIP)
CP111 332 (CHIP)
CP116 334 50V(CHIP)
CP201 123 50V(CHIP)
CP114 104 (CHIP)
CP117 47uF 16V
CP115 104 (CHIP)
CP129 103 (CHIP)
CP126 100uF 16V
CP124 2.2uF 50V
CP127 104 (CHIP)
CP131 080 (UJ)
CP119 080 (UJ)
CP110 104 (CHIP)
CP118 104 (CHIP)
CP125 103 (CHIP)
CP136 103 (CHIP)
CP137 471 (CHIP)
CP123 103 (CHIP)
CP120 224 (CHIP)
CP102 22uF 25V(NP)
CP212 2.2uF 50V
CP201 123 50V(CHIP)
CP101 104 (CHIP)
CP103 180 50V(CHIP)
CP104 104 (CHIP)
CP105 332 (CHIP)
CP106 104 (CHIP)
CP107 104 (CHIP)
CP108 104 (CHIP)
CP144 104 (CHIP)
CP145 104 (CHIP)
CP111 332 (CHIP)
CP116 334 50V(CHIP)
CP114 104 (CHIP)
CP117 47uF 16V
CP115 104 (CHIP)
CP129 103 (CHIP)
CP126 100uF 16V
CP124 2.2uF 50V
CP127 104 (CHIP)
CP131 080 (UJ)
CP119 080 (UJ)
CP110 104 (CHIP)
CP118 104 (CHIP)
CP125 103 (CHIP)
CP136 103 (CHIP)
CP137 471 (CHIP)
CP123 103 (CHIP)
CP120 224 (CHIP)
CP102 22uF 25V(NP)
CP212 2.2uF 50V
XP301 20.48M
4.43MHz
SAND
T VSUP
DIGSUP DECOUPLING
DIG GND
HA
VERT SAW
REF CURR
TGNDAL
EHT X-ray
VERT POS
VERT NEG
LOOP FILTER
C AGC
STAND SWITCH
CVBS 2VPP
FM IN
AF1
AF2
VIF
INP-2
MAC SW
+5V
VP/2
AFC
VIDEO IVPP
TUNER AGC

10-9 FEATURE BOX



1. Precautions

Follow these safety, servicing and ESD precautions to prevent damage and protect against potential hazards such as electrical shock and X-rays.

1-1 Safety Precautions

1. Be sure that all of the built-in protective devices are replaced. Restore any missing protective shields.

2. When reinstalling the chassis and its assemblies, be sure to restore all protective devices, including: nonmetallic control knobs and compartment covers.

3. Make sure that there are no cabinet openings through which people—particularly children—might insert fingers and contact dangerous voltages. Such openings include the spacing between the picture tube and the cabinet mask, excessively wide cabinet ventilation slots, and improperly fitted back covers.

   If the measured resistance is less than 1.0 megohm or greater than 5.2 megohms, an abnormality exists that must be corrected before the unit is returned to the customer.

4. Leakage Current Hot Check (Figure 1-1):
   Warning: Do not use an isolation transformer during this test. Use a leakage-current tester or a metering system that complies with American National Standards Institute (ANIS C101.1, Leakage Current for Appliances), and Underwriters Laboratories (UL Publication UL1410, 59.7).

5. With the unit completely reassembled, plug the AC line cord directly into the power outlet. With the unit's AC switch first in the ON position and then OFF, measure the current between a known earth ground (metal water pipe, conduit, etc.) and all exposed metal parts, including: antennas, handle brackets, metal cabinets, screwheads and control shafts. The current measured should not exceed 0.5 milliamp. Reverse the power-plug prongs in the AC outlet and repeat the test.

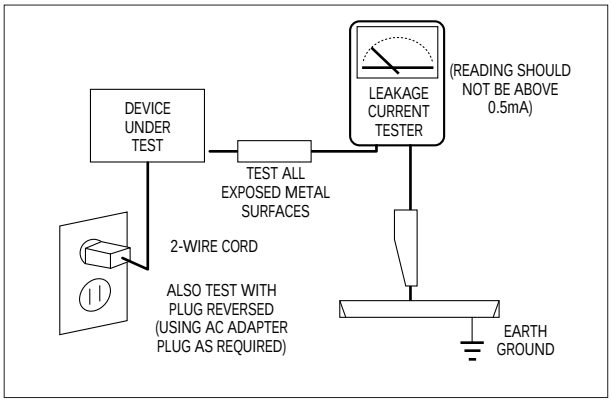

LEAKAGE CURRENT TESTER
(READING SHOULD NOT BE ABOVE 0.5mA)
DEVICE UNDER TEST
TEST ALL EXPOSED METAL SURFACES
2-WIRE CORD
ALSO TEST WITH PLUG REVERSED (USING AC ADAPTER PLUG AS REQUIRED)
EARTH GROUND

Fig. 1-1 AC Leakage Test

6. Antenna Cold Check:
   With the unit's AC plug disconnected from the AC source, connect an electrical jumper across the two AC prongs. Connect one lead of the ohmmeter to an AC prong. Connect the other lead to the coaxial connector.

7. X-ray Limits:
   The picture tube is especially designed to prohibit X-ray emissions. To ensure continued X-ray protection, replace the picture tube only with one that is the same type as the original. Carefully reinstall the picture tube shields and mounting hardware; these also provide X-ray protection.

8. High Voltage Limits:
   High voltage must be measured each time servicing is done on the B+, horizontal deflection or high voltage circuits. Correct operation of the X-ray protection circuits must be reconfirmed whenever they are serviced. (X-ray protection circuits also may be called "horizontal disable" or "hold-down".)

   Heed the high voltage limits. These include the X–ray Protection Specifications Label, and the Product Safety and X-ray Warning Note on the service data schematic.

1-1 Safety Precautions (Continued)

9. High voltage is maintained within specified limits by close-tolerance, safety-related components and adjustments. If the high voltage exceeds the specified limits, check each of the special components.

10. Design Alteration Warning:
Never alter or add to the mechanical or electrical design of this unit. Example: Do not add auxiliary audio or video connectors. Such alterations might create a safety hazard. Also, any design changes or additions will void the manufacturer's warranty.

11. Hot Chassis Warning:
Some TV receiver chassis are electrically connected directly to one conductor of the AC power cord. If an isolation transformer is not used, these units may be safely serviced only if the AC power plug is inserted so that the chassis is connected to the ground side of the AC source.

    To confirm that the AC power plug is inserted correctly, do the following: Using an AC voltmeter, measure the voltage between the chassis and a known earth ground. If the reading is greater than 1.0V, remove the AC power plug, reverse its polarity and reinsert. Re-measure the voltage between the chassis and ground.

12. Some TV chassis are designed to operate with 85 volts AC between chassis and ground, regardless of the AC plug polarity. These units can be safely serviced only if an isolation transformer inserted between the receiver and the power source.

13. Some TV chassis have a secondary ground system in addition to the main chassis ground. This secondary ground system is not isolated from the AC power line. The two ground systems are electrically separated by insulating material that must not be defeated or altered.

14. Components, parts and wiring that appear to have overheated or that are otherwise damaged should be replaced with parts that meet the original specifications. Always determine the cause of damage or overheating, and correct any potential hazards.

15. Observe the original lead dress, especially near the following areas: Antenna wiring, sharp edges, and especially the AC and high voltage power supplies. Always inspect for pinched, out-of-place, or frayed wiring. Do not change the spacing between components and the printed circuit board. Check the AC power cord for damage. Make sure that leads and components do not touch thermally hot parts.

16. Picture Tube Implosion Warning:
The picture tube in this receiver employs "integral implosion" protection. To ensure continued implosion protection, make sure that the replacement picture tube is the same as the original.

17. Do not remove, install or handle the picture tube without first putting on shatterproof goggles equipped with side shields. Never handle the picture tube by its neck. Some "in-line" picture tubes are equipped with a permanently attached deflection yoke; do not try to remove such "permanently attached" yokes from the picture tube.

18. Product Safety Notice:
Some electrical and mechanical parts have special safety-related characteristics which might not be obvious from visual inspection. These safety features and the protection they give might be lost if the replacement component differs from the original—even if the replacement is rated for higher voltage, wattage, etc.

    Components that are critical for safety are indicated in the circuit diagram by shading, (⚠) or (⚠).
    Use replacement components that have the same ratings, especially for flame resistance and dielectric strength specifications.
    A replacement part that does not have the same safety characteristics as the original might create shock, fire or other hazards.

1-2 Servicing Precautions

Warning1: First read the "Safety Precautions" section of this manual. If some unforeseen circumstance creates a conflict between the servicing and safety precautions, always follow the safety precautions.
Warning2: An electrolytic capacitor installed with the wrong polarity might explode.

1. Servicing precautions are printed on the cabinet. Follow them.

2. Always unplug the unit's AC power cord from the AC power source before attempting to: (a) Remove or reinstall any component or assembly, (b) Disconnect an electrical plug or connector, (c) Connect a test component in parallel with an electrolytic capacitor.

3. Some components are raised above the printed circuit board for safety. An insulation tube or tape is sometimes used. The internal wiring is sometimes clamped to prevent contact with thermally hot components. Reinstall all such elements to their original position.

4. After servicing, always check that the screws, components and wiring have been correctly reinstalled. Make sure that the portion around the serviced part has not been damaged.

5. Check the insulation between the blades of the AC plug and accessible conductive parts (examples: metal panels, input terminals and earphone jacks).

6. Insulation Checking Procedure: Disconnect the power cord from the AC source and turn the power switch ON. Connect an insulation resistance meter (500V) to the blades of the AC plug.

   The insulation resistance between each blade of the AC plug and accessible conductive parts (see above) should be greater than 1 megohm.

7. Never defeat any of the B+ voltage interlocks. Do not apply AC power to the unit (or any of its assemblies) unless all solid-state heat sinks are correctly installed.

8. Always connect a test instrument's ground lead to the instrument chassis ground before connecting the positive lead; always remove the instrument's ground lead last.

1-3 Precautions for Electrostatically Sensitive Devices (ESDs)

1. Some semiconductor (“solid state”) devices are easily damaged by static electricity. Such components are called Electrostatically Sensitive Devices (ESDs); examples include integrated circuits and some field-effect transistors. The following techniques will reduce the occurrence of component damage caused by static electricity.

2. Immediately before handling any semicon ductor components or assemblies, drain the electrostatic charge from your body by touching a known earth ground. Alternatively, wear a discharging wrist-strap device. (Be sure to remove it prior to applying power—this is an electric shock precaution.)

3. After removing an ESD-equipped assembly, place it on a conductive surface such as aluminum foil to prevent accumulation of electrostatic charge.

4. Do not use freon-propelled chemicals. These can generate electrical charges that damage ESDs.

5. Use only a grounded-tip soldering iron when soldering or unsoldering ESDs.

6. Use only an anti-static solder removal device. Many solder removal devices are not rated as “anti-static”; these can accumulate sufficient electrical charge to damage ESDs.

7. Do not remove a replacement ESD from its protective package until you are ready to install it. Most replacement ESDs are packaged with leads that are electrically shorted together by conductive foam, aluminum foil or other conductive materials.

8. Immediately before removing the protective material from the leads of a replacement ESD, touch the protective material to the chassis or circuit assembly into which the device will be installed.

9. Minimize body motions when handling unpackaged replacement ESDs. Motions such as brushing clothes together, or lifting a foot from a carpeted floor can generate enough static electricity to damage an ESD.

2. Reference Information

2-1 Tables of Abbreviations and Acronyms

Table 2-1 Abbreviations

A	Ampere	MV	Megavolt
Ah	Ampere-hour	MW	Megawatt
Å	Angstrom	MΩ	Megohm
dB	Decibel	m	Meter
dBm	Decibel Referenced to One Milliwatt	µA	Microampere
		µF	Microfarad
°C	Degree Celsius	µH	Microhenry
°F	Degree Fahrenheit	µm	Micrometer
°K	degree Kelvin	µs	Microsecond
F	Farad	µW	Microwatt
G	Gauss	mA	Milliampere
GHz	Gigahertz	mg	Milligram
g	Gram	mH	Millihenry
H	Henry	ml	Milliliter
Hz	Hertz	mm	Millimeter
h	Hour	ms	Millisecond
ips	Inches Per Second	mV	Millivolt
kWh	Kilowatt-hour	nF	Nanofarad
kg	Kilogram	Ω	Ohm
kHz	Kilohertz	pF	Picofarad
kΩ	Kilohm	lb	Pound
km	Kilometer	rpm	Revolutions Per Minute
km/h	Kilometer Per Hour	rps	Revolutions Per Second
kV	Kilovolt	s	Second (Time)
kVA	Kilovolt-ampere	V	Volt
kW	Kilowatt	VA	Volt-ampere
l	Liter	W	Watt
MHz	Megahertz	Wh	Watt-hour

Table 2-1 Abbreviations

ABL	Automatic Brightness Limiter	I/O	Input/output
AC	Alternating Current	L	Left
ACC	Automatic Chroma Control	L	Low
AF	Audio Frequency	LED	Light Emitting Diode
AFC	Automatic Frequency Control	LF	Low Frequency
AFT	Automatic Fine Tuning	MOSFET	Metal-Oxide-Semiconductor-Field-Effect-Tr
AGC	Automatic Gain Control	MTS	Multi-channel Television Sound
AM	Amplitude Modulation	NAB	National Association of Broadcasters
ANSI	American National Standards Institute	NEC	National Electric Code
APC	Automatic Phase Control	NTSC	National Television Systems Committee
APC	Automatic Picture Control	OSD	On Screen Display
A/V	Audio-Video	PCB	Printed Circuit Board
AVC	Automatic Volume Control	PLL	Phase-Locked Loop
BAL	Balance	PWM	Pulse Width Modulation
BPF	Bandpass Filter	QIF	Quadrature Intermediate Frequency
B-Y	Blue-Y	R	Right
CATV	Community Antenna Television (Cable TV)	RC	Resistor & Capacitor
CB	Citizens Band	RF	Radio Frequency
CCD	Charge Coupled Device	R-Y	Red-Y
CCTV	Closed Circuit Television	SAP	Second Audio Program
Ch	Channel	SAW	Surface Acoustic Wave(Filter)
CRT	Cathode Ray Tube	SIF	Sound Intermediate Frequency
CW	Continuous Wave	SMPS	Switching Mode Power Supply
DC	Direct Current	S/N	Signal/Noise
DVM	Digital Volt Meter	SW	Switch
EIA	Electronics Industries Association	TP	Test Point
ESD	Electrostatic Discharge	TTL	Transistor Transistor Logic
ESD	Electrostatically Sensitive Device	TV	Television
FBP	Feedback Pulse	UHF	Ultra High Frequency
FBT	Flyback Transformer	UL	Underwriters Laboratories
FF	Flip-Flop	UV	Ultraviolet
FM	Frequency Modulation	VCD	Variable-Capacitance Diode
FS	Fail Safe	VCO	Voltage Controlled Oscillator
GND	Ground	VCXO	Voltage Controlled Crystal Oscillator
G-Y	Green-Y	VHF	Very High Frequency
H	High	VIF	Video Intermediate Frequency
HF	High-Frequency	VR	Variable Resistor
HI-FI	High Fidelity	VTR	Video Tape Recorder
IC	Inductance-Capacitance	VTVM	Vacuum Tube Voltmeter
IC	Integrated Circuit	TR	Transistor
IF	Intermediate Frequency		

2-3 IC Line Up

Table 2-1 IC Line Up

Loc No.	No.	Specification	Description	Remarks
IC101	1	TDA9810	Multi standard VIF-PLL with QSS-IF and AM demodulator	
IC201	2	TDA4780	RGB Video Processor	
IC601	3	TDA7265	25W+25W Stereo Amplifier with Mute & SY-BY	
IC602	4			
IC604	5	HCF4053BE	Audio-Switching	
IC802	6	SI3050C	Low-Drip Regulator (5V)	
IC803	7			
IC804	8	KA812	Regulator (12V)	
IC805	9	KA7808	Regulator (8V)	
IC806	10	KA7809	Regulator (9V)	
ICA01	11	S727D	AUTO PLUS	
ICA02	12	KA393	OP AMP	
IC201	13	CIP3250A	Component Interface Processor	
IC202	14	VPC3210A	Video Processor	
IC203	15	TL7705AC	Power-On Reset Generator	
IC204	16	SDA9280	Display Processor	
IC206	17	SDA9272	VIP	
IC207	18	SDA9253	Memory	
IC208	19			
IC209	20	SDA9362	Digital Deflection controller	
IC210	21	74F125	Buffer	
IC212	22			
IC211	23	74F541	Buffer	
IC213	24	74F08	AND-Gate	
IC601	25	MSP3410D	Multistandard Sound Processor	
IC602	26	74HC4052D	Audio Switching	

Table 2-1 IC Line Up				
Loc No.	No.	Specification	Description	Remarks
IC603	27	TDA7050	AUDIO AMP	
IC604	28	TL062C	OP AMP	
ICD601	29	DPL3519A	Dolby Pro Logic Processor	
ICD602	30	TL062C	OP AMP	
IC701	31	TDA6920X	7 X 5 Video Matrix Switch	
IC702	32			
IC703	33	TL062C	OP AMP	
IC704	34			
IC901	35	SDA30C264	8 bit Micro controller ROMILESS	
IC902	36	ST24W16	16K EEPROM	
IC903	37	TMS27C040	512K * 8 EPROM	
IC905	38	SAA1300		
ICT01	39	SDA5273P	MEGATEXT IC	
ICT02	40	KM44C1000	DRAM	
IC301	41	TDA8351	DC-coupled vertical deflection	
IC403	42	TDA8145	EW	
IC801	43	STR-S6709	SMPS	
IC803	44	TOP210ES	Stand-by SMPS	
IC804	45	TL431		
IC805	46	LTV817B	Photo-Coupler	
IC806	47	KA7805	Regulator (5V)	
IC501	48	TDA6111Q	Video Output Amplifier	
IC502	49			
IC503	50			
IC504	51	TDA2030	AMP	

3. Specifications

MODEL		CW-30A80SA (CW764AHA)	CW-30A90SD (CW764AHD)
MAIN CHARACTERISTICS	100 Hz	O	O
	Dolby Pro Logic	O	X
	EPG	O	-
	AV_LINK	O	-
SYSTEM	TUNING	Frequency Synthesizer	
	COLOR	PAL, SECAM, NTSC(only AV mode)	
	SOUND	NICAM, A2 STEREO, AM	
ANTENNA INPUT		75ohms,Coaxial Cable	
POWER	CONSUMPTION	180W	-
	REQUIREMENTS	Main Voltage : 230V Input Range : 220-240V	
	FREQUENCY	50Hz/60Hz	
TUBE	SIZE	30” (76Cm)	
	TYPE	12.8:9, 2.5R Invar	
NUMBER OF CHANNELS		100	
TUNING RANGE		VHF: 2 ~ 12, UHF : 21 ~ 69, Cable : S1 ~ S41	
SOUND OUTPUT		Right : 15W Left : 15W Center : 15W Surround : 15W (L+R)	Right : 15W Left : 15W
SOCKETS	FRONT	- RCA : Input/S-VHS - Headphone Audio Output	
	BACK (3 SCARTS)	- EXT1 : full RGB Scart / AV-LINK - EXT2 : Scart (Output Selectable) - EXT3 : Decoder (Output Selectable) - Surround SPK Jack - Rear AMP Jack	

Specifications are subject to change.

3-1 3D Sound Option Table (Main Board)

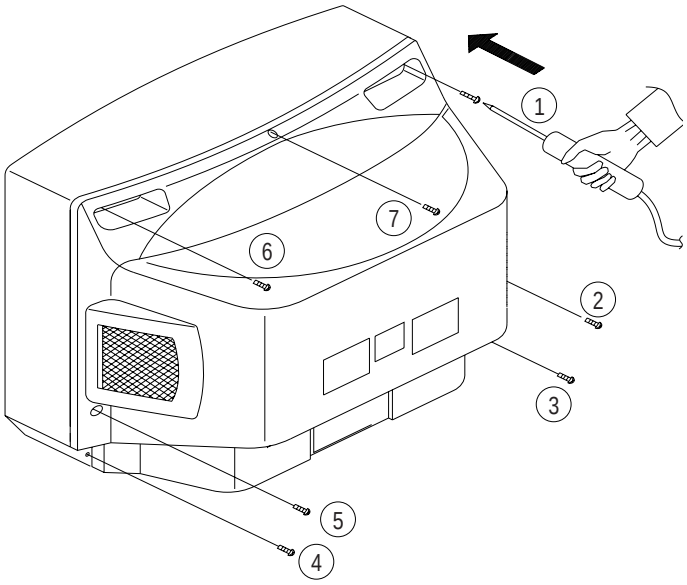
Loc No.	CW-30A80A : 3D SOUND		CW-30A90SD : DOLBY SOUND	
	SPECIFICATION	CODE NO	SPECIFICATION	CODE NO
C601	DEL		C-FILM 103	2301-000380
C602	DEL		C-FILM 103	2301-000380
C612	DEL		C-AL 1000 μF	2401-000192
C613	DEL		C-FILM 104	2301-000530
C614	DEL		C-AL 1000μF	2401-000192
C615	DEL		C-FILM 104	2301-000530
C616	DEL		C-FILM 104	2301-000530
C617	DEL		C-AL 1000μF	2401-000192
C618	DEL		C-AL 1 μF	2401-000603
C619	DEL		C-AL 100μF	2401-000318
C620	DEL		C-AL 1μF	2401-000603
C635	DEL		C-AL 10 μF	2401-002265
CN17	DEL		3P	3711-000900
IC602	DEL		IC;TDA7265	AA96-50279A
IC604	DEL		IC;4053B	0801-000961
J013	DEL		JUMPER	3812-000219
J168	DEL		JUMPER	3812-000219
J169	DEL		JUMPER	3812-000219
R610	DEL		1/2 1.8K	2001-001055
R611	DEL		1/2 1.8K	2001-001055
R613	DEL		1/2 1.8K	2001-001055
R614	DEL		1/2 1.8K	2001-001055
R615	DEL		1/2 4.7	2001-001146
R616	DEL		1/8 10K	2001-000290
R617	DEL		1/8 300	2001-000628
R618	DEL		1/8 300	2001-000628
R619	DEL		JUMPER	3812-000219
R620	DEL		JUMPER	3812-000219
R629	DEL		1/8 10K	2001-000290
J061	JUMPER	3812-000219	DEL	
J062	JUMPER	3812-000219	DEL	

3-2 3D Sound Option Table (AV-Terminal Board)

Loc No.	CW-30A80A : 3D SOUND		CW-30A90SD : DOLBY SOUND	
	SPECIFICATION	CODE NO	SPECIFICATION	CODE NO
CN706			4P, JACK	AA63-40276A
CN707	RCA-5P	3722-001157	RCA-2P	3722-001158

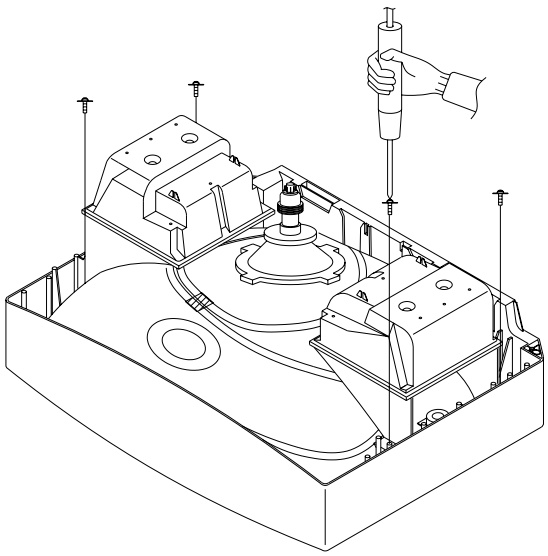
4. Disassembly and Reassembly

4-1 Back Cover Removal



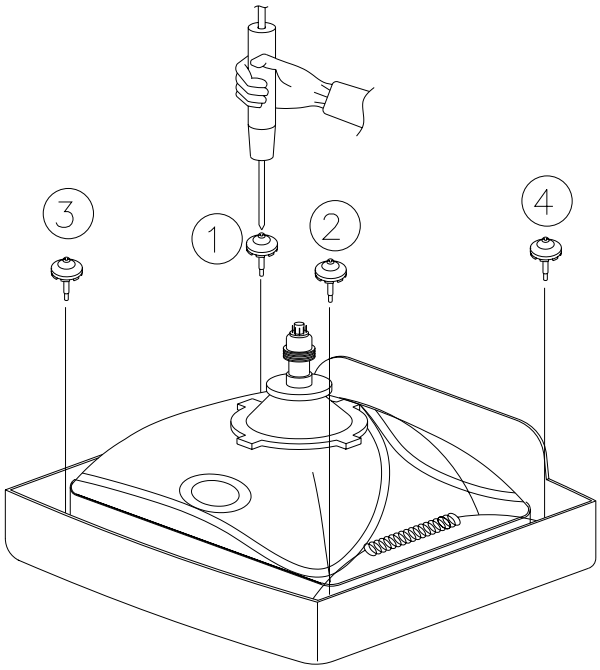
1. After removing the 7 screws, pull the cabinet backwards.

4-2 Speaker Removal



1. Loosen the 4 screws and remove the Speaker Holders.

4-3 CRT Removal



1. Spread a soft mat on the floor. Place the TV set face down.
2. Remove the 4 screws mounting the CRT to the front cabinet.
3. Lift the CRT.

5. Alignment and Adjustments

5-1 General Alignment Instructions

1. Usually, a color TV-VCR needs only slight touch-up adjustment upon installation. Check the basic characteristics such as height, horizontal and vertical sync and focus.

2. Observe the picture for good black and white details. There should be objectionable color shading; if color shading is present, demagnetize, perform purity and convergence adjustments described below.

3. Use the specified test equipment or its equivalent.

4. Correct impedance matching is essential.

5. Avoid overload. Excessive signal from a sweep generator might overload the front-end of the TV. When inserting signal markers, do not allow the marker generator to distort test results.

6. Connect the TV only to an AC power source with voltage and frequency as specified on the backcover nameplate.

7. Do not attempt to connect or disconnect any wires while the TV is turned on. Make sure that the power cord is disconnected before replacing any parts.

8. To protect against shock hazard, use an isolation transformer.

5-2 Automatic Degaussing

A degaussing coil is mounted around the picture tube, so that external degaussing after moving the TV should be unnecessary. But the receiver must be properly degaussed upon installation.

The degaussing coil operates for about 1 second after the power is switched ON. If the set is moved or turned in a different direction, the power should be OFF for at least 10 minutes.

If the chassis or parts of the cabinet become magnetized, poor color purity will result. If this happens, use an external degaussing coil. Slowly move the degaussing coil around the faceplate of the picture tube and the sides and front of the receiver. Slowly withdraw the coil to a distance of about 6 feet before turning power OFF.

If color shading persists, perform the following Color purity and Convergence adjustments.

5-3 High voltage Check

CAUTION: There is no high voltage adjustment on this chassis. The B+ power supply should be +135 volts
(with full color- bar input and normal picture level).

1. Connect a digital voltmeter to the second anode of the picture tube.

2. Turn on the TV. Set the Brightness and Contrast controls to minimum (zero beam current).

3. Adjust the Brightness and contrast controls to both extremes. Ensure that the high voltage does not exceed 32 KV under any conditions.

5-4 RF AGC Adjustment

1. Turn to the strongest local station.
2. Turn the AGC control fully clockwise (VR101, on the MAIN board).
3. Adjust the AGC control until noise(snow)disappears from the screen.

5-5 FOCUS Adjustment

1. Input a black and white signal.
2. Adjust the tuning control for clearest picture.
3. Adjust the FOCUS control for well defined scanning lines in the center area of the screen.

5-6 SCREEN Adjustment

1. Turn to the ACTIVE channel.
2. Adjust the VR screen for a normal picture is (no blooming or flyback line).
3. Adjust the SCREEN control for well defined scanning lines in the center area of the screen.

5-7 Purity Adjustment

1. Warm up the receiver for at least 20 minutes.
2. Plug in the CRT deflection yoke. Tighten the clamp screw.
3. Plug the convergence yoke into the CRT and set it as shown in Fig. 5-1.
4. Input a black and white signal.
5. Fully demagnetize the receiver by using an external degaussing coil.
6. Turn the CONTRAST and BRIGHTNESS controls to maximum.
7. Loosen the clamp screw holding the yoke.
   Slide the yoke backward or forward to produce a vertical green belt. (Fig. 5-2)
8. Tighten the convergence yoke.
9. Slowly move the deflection yoke forward.
   Adjust for the best overall green screen.
10. Temporarily tighten the deflection yoke.
11. Produce blue and red rasters by adjusting the -low-light controls. Check for good purity in each field.
12. Tighten the deflection yoke.

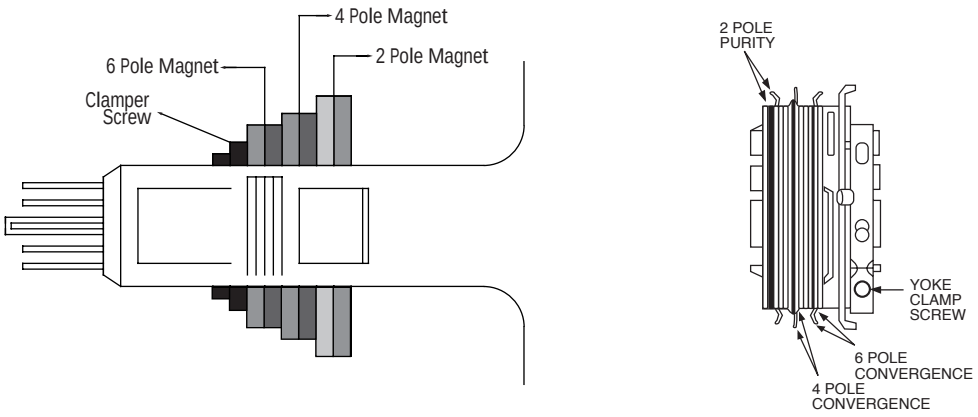


Fig. 5 - 1 Convergence Magnet Assembly

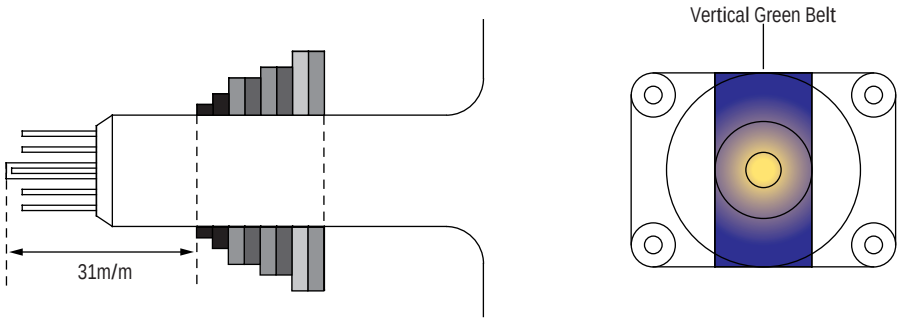


Fig. 5 - 2 Center Convergence Adjustment

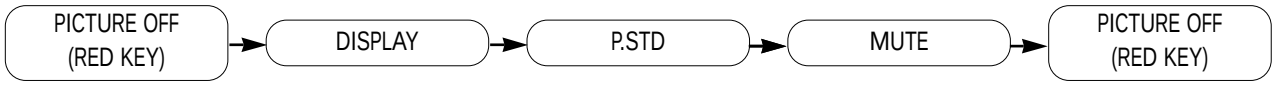
5-8 Center Convergence Adjustment

1. Warm up the receiver for at least 20 minutes.
2. Adjust the BRIGHTNESS and CONTRAST controls for a well-defined picture.
3. Adjust the two tabs of the 4-pole magnets: Change the angle between them. Superimpose the red and the blue vertical lines in the center area of the screen.
4. Turn both tabs at the same time, keeping the angle constant: Superimpose the red and blue horizontal lines in the center of the screen.
5. Adjust two tabs of 6-pole magnets: Superimpose the red and blue lines with the green. Adjusting the angle affects the vertical lines, and rotating both magnets affects the horizontal lines.
6. Repeat adjustments 2~4, if necessary.
7. Since the 4-pole and 6-pole magnets interact, the dot movement is complex (Fig. 5-3).

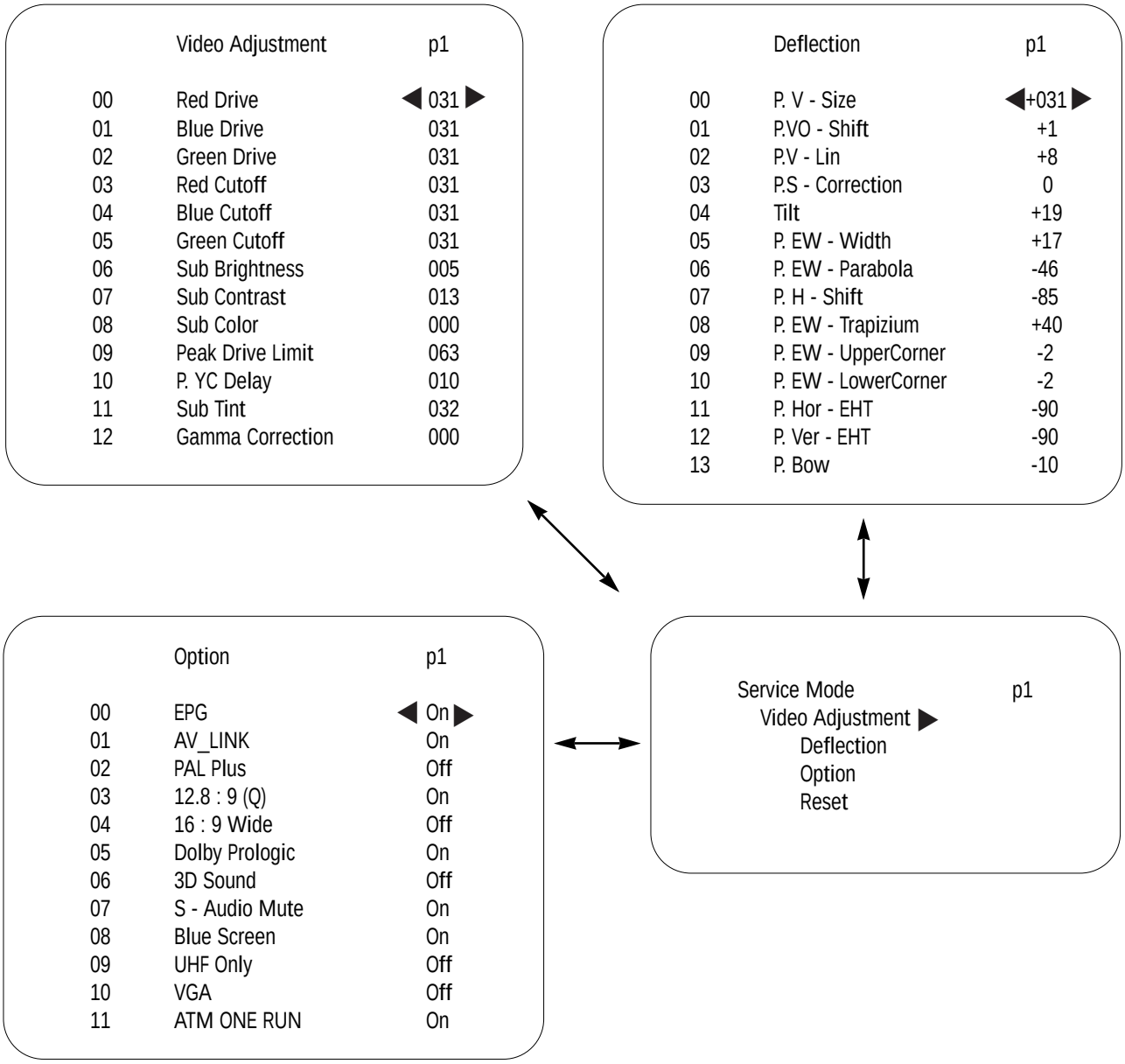
Fig 5-3 Center Convergence Adjustment

5-9 Service Mode

1. Enter th Factory Mode. Press the remote-control keys in this sequence:



2. Use the channel and volume keys (up/down)to move the cursor. Select an alignment parameter. Use the volume keys(up/down)to adjust the value. Adjustment must be done separately for PAL, SECAM, NTSC color systems. (As soon as the TV receives a signal, it switches to the correct broadcast standard.) After adjustments are completed, press the picture off key to exit the Service Mode. Press digit keys directly to change channel number.


Video Adjustment p1
00 Red Drive ◀ 031 ▶
01 Blue Drive 031
02 Green Drive 031
03 Red Cutoff 031
04 Blue Cutoff 031
05 Green Cutoff 031
06 Sub Brightness 005
07 Sub Contrast 013
08 Sub Color 000
09 Peak Drive Limit 063
10 P. YC Delay 010
11 Sub Tint 032
12 Gamma Correction 000
Deflection p1
00 P. V - Size ◀ +031 ▶
01 P.VO - Shift +1
02 P.V - Lin +8
03 P.S - Correction 0
04 Tilt +19
05 P. EW - Width +17
06 P. EW - Parabola -46
07 P. H - Shift -85
08 P. EW - Trapizium +40
09 P. EW - UpperCorner -2
10 P. EW - LowerCorner -2
11 P. Hor - EHT -90
12 P. Ver - EHT -90
13 P. Bow -10
Option p1
00 EPG ◀ On ▶
01 AV_LINK On
02 PAL Plus Off
03 12.8 : 9 (Q) On
04 16 : 9 Wide Off
05 Dolby Prologic On
06 3D Sound Off
07 S - Audio Mute On
08 Blue Screen On
09 UHF Only Off
10 VGA Off
11 ATM ONE RUN On
Service Mode p1
Video Adjustment ▶
Deflection
Option
Reset

MEMO